

CV

Software Developer and Architect

➤ **Name:** Okhtay Sattari

➤ **Major Skills and Experiences:**

1) Software Development by PHP/SQL/NoSQL/JavaScript

I have extensive experiences in developing API Services, Administration Panels, CRM systems, E-commerce systems, and E-commerce websites which are integrated with external systems or services such as payment gateways, cargo systems, accounting systems, notification and messaging systems, and government systems.

2) Software Architecture Design (Object/Service Oriented Design)

The ability to use knowledge and analyze and solve complex problems is much more important than knowledge kept in mind, because nowadays knowledge is available online and easily accessible everywhere at any time. **I am a problem solver.**

3) Building Web-based User Interfaces by HTML/CSS/JavaScript



➤ **Working Activity:** Employed / Freelancer / Project

➤ **Current Location:** Istanbul, Turkey

➤ **Spoken Languages:** English, Turkish, Persian

➤ **Nationality:** Turkish Citizen

➤ **Email:** sattari.okhtay@gmail.com

➤ **Mobile:** +90 535 391 47 17

➤ **LinkedIn:** www.linkedin.com/in/okhtay-sattari-6141b233

➤ **Home Page:** www.okhtay.name

➤ **Secondary Email:** okhsat@gmail.com

➤ **CV URL:** www.okhtay.name/cv/okhtay-sattari.pdf

➤ **Resume URL:** www.okhtay.name/resume/okhtay-sattari.pdf



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➤ **Technical Explanation:**

- **Front-end Technologies I can use: HTML / CSS / JavaScript (React, Vue.js, Alpine.js, jQuery, Tailwind CSS, Bootstrap CSS, ...).**
- **Back-end Technologies and Frameworks I can use: PHP / Node.JS.** I can work with any software development framework such as **Laravel, Symfony, Phalcon, CakePHP, CodeIgniter, Joomla**, etc. I have worked with **Laravel Framework** for API and Administration Panel (LMS) development, and worked with **Symfony Framework** for API, Website, and Administration Panel development, and worked with **Phalcon Framework** for building API Services, CRM system and E-commerce website, and also worked with **Joomla Framework**, and built extensions for this Platform/CMS. I have also built my own PHP Framework namely **TPS Framework** in the past. I can develop powerful web applications by pure PHP without using any third-party framework.
- **Database Experiences: SQL: MySQL/PostgreSQL, NoSQL: MongoDB/Redis.** I have considerable experiences in writing complex SQL queries which lead to web applications with high performance and scalability. I have worked with NoSQL Databases, ElasticSearch, and Solr.
- **Software Architectural Design:** I have considerable experiences in Object-Oriented Architectural Design. These experiences have been reflected in my software development projects.
- **Experiences as a Full-stack Developer:** I can build the front-end and back-end of web applications using popular PHP frameworks, such as Laravel, Symfony, Phalcon, and using popular JavaScript libraries or



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frameworks, such as React, Vue.js, Alpine.js, jQuery, or from scratch without the need to use other frameworks created by third parties.

- **Recent Prominent Projects:** I am a full-stack senior software developer in the technical team of www.nohutakademi.com. The project has been described at www.okhtay.name/projects/nohut-learning-management-system. I was a full-stack web developer in the technical team of www.sozcu.com.tr that is a very popular news website in Turkey. The project has been described at www.okhtay.name/projects/sozcu-website-admin-panel. I was a full-stack web developer in the www.vngproperty.com and www.istanbultouristpass.com projects. I was the only developer of AdimAdim API and Administration Panel, new CRM / E-Commerce system, and e-commerce website described at www.okhtay.name/projects/adimadim-api-admin-panel and www.okhtay.name/projects/adimadim-crm-system and www.okhtay.name/projects/adimadim-e-commerce-website.

➤ General Explanation:

- As a Software Developer and Architect, I am willing to play an effective role in your organization or company, and I am interested to improve and enhance your organization or company in some ways by my technical activities and experiences as desired and directed by your managers.
- I believe I can build high quality software, applications, or websites for you or your clients by PHP / Node.js / SQL / NoSQL / JavaScript / HTML / CSS / PHP Frameworks / CMS (WordPress, ...) Technologies, and satisfy



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you or your clients by meeting the quality (functional and non-functional) requirements.

- I believe I can effectively collaborate with the members of your team in software development projects.
- I would be happy if you could find some time to look at the next part of my CV that shortly explains my past experiences and projects.
- I can speak and write in the three languages English, Turkish, and Persian. Especially I can read and write in English well.
- I earned my master's degree in IT Engineering from Tarbiat Modares University in Tehran, Iran, in the fields of IT Systems, Web Services and Semantic Web Technologies. I earned my bachelor's degree in Industrial Engineering from K. N. Toosi University in Tehran, Iran in the field of Planning and System Analysis. My degrees have been assessed by IQAS and its details can be viewed at www.okhtay.name/cv/iqas-assessment.jpg.
- I can attend a camera/voice-based interview with the recruiter, or the employer company whenever needed and both sides are available. Also, we can have message-based communication and chat as much as needed.
- I can take a technical test arranged by the employer company or develop some small applications on request to remotely demonstrate my skills and capabilities in software development from a distance.
- I can relocate into the European Zone or North America. But I will need sponsorship to relocate into these countries. However, I could start to get familiar with your projects and business before relocating to your country and city.



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➤ Summary of Experiences and Projects:

1) Nohut Learning Management System

Project Web Page: www.okhtay.name/projects/nohut-learning-management-system

Date: July 2023 - present

Employer: ElitSoft (www.elitsoft.net)

Istanbul, Turkey

Role: Full-stack senior developer

Technologies / Platforms: PHP, MySQL, MongoDB, Redis, Laravel, React, Alpine.js, Tailwind CSS, Bootstrap CSS, Amazon Web Services

Project Description:

A Learning Management System is developed using Laravel PHP Framework and React JavaScript UI Library mainly.

Laravel Framework is used to implement and develop an OAuth 2.0 based API to provide secure access to the server system by various types of client applications including a React app called "Penpan" which provides an environment for taking exams and studying. Also, Laravel Framework is used to implement and develop an administration panel for the various roles existing in a complex learning and publishing organization such as education publishers, their branches and channels, their various personnels, teachers, students and their parents with different permissions and access levels in the system.

MySQL relational database system is used for storing the core data. MongoDB NoSQL database system is used for logging the events and data changes in the system. Also Redis NoSQL database system is used for creating and processing

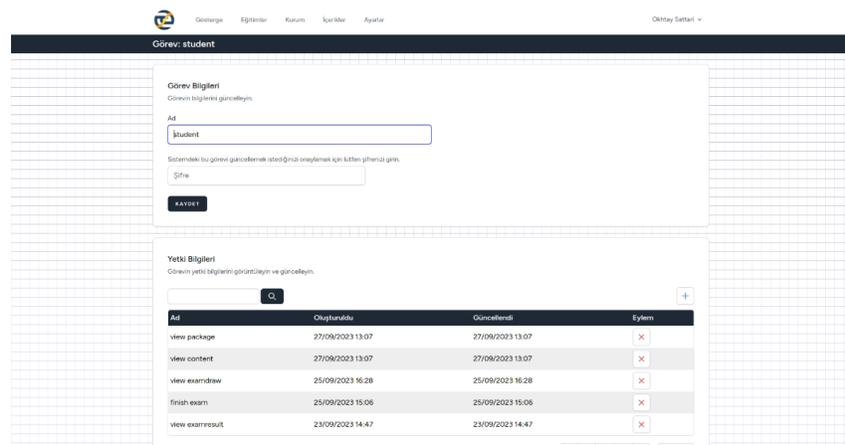
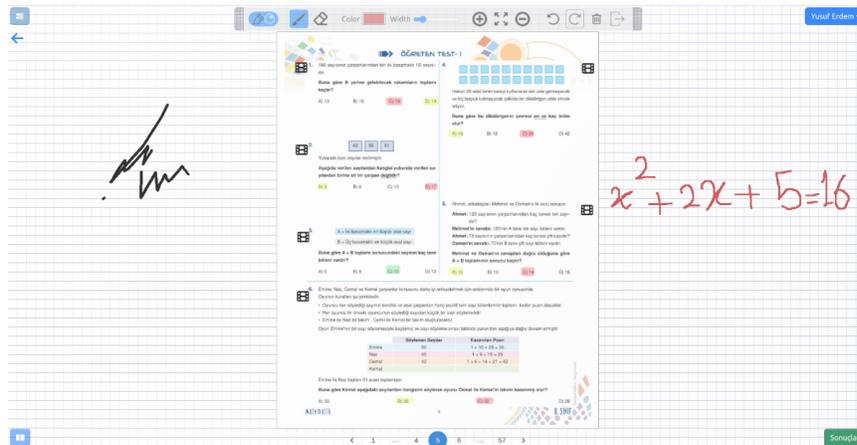


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the queues. Queues are used in logging and sending notifications. The system was deployed with Amazon Cloud Services to be tested and evaluated.

The user interface of the administration panel is developed using Tailwind CSS Framework and Alpine JavaScript Framework. Also Vite.js tools are used for frontend development of the administration panel.

"Penpan" and other client apps are developed using React JavaScript UI library, some of its popular components, and also some other required and useful JavaScript modules or libraries. Penpan app provides an environment for creating or displaying book and exam pages, drawing, zooming, taking exams, and viewing the exam results and their related statistics.



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2) E-Commerce Website/System Development/Maintenance

Project Web Page: www.okhtay.name/projects/path-development-maintenance-projects

Date: May - August 2022, February - June 2023

Employer: PATH (www.path.com.tr)

Istanbul, Turkey

Role: Full-stack web developer, The development team member

Technologies / Platforms: PHP, MySQL, PostgreSQL, SolrSearch, Redis, Symfony, jQuery, Bootstrap

Projects: IDEFIX, VNG Property, Basi Systems, Tourist Pass, Guven Hospital

Project Description:

A custom E-commerce system has been developed from scratch for IDEFIX, an e-commerce company, using Symfony Framework, PostgreSQL, MongoDB, Elastic Search, and etc. The whole system has a lot of subsystems including Product Management Subsystem, Order Management Subsystem, Payment Subsystem, Promotion Management Subsystem, Content Management Subsystem, Notification Subsystem, Search Subsystem, Authentication Subsystem, Log Subsystem, Integration with other systems, and etc.

Also maintenance or development has continued for the website and administration panel of VNG Property (www.vngproperty.com), Tourist Pass (www.istanbultouristpass.com, www.cappadociatravelpass.com), Basi Systems (www.basisystems.com), and Guven Hospital using Symfony Framework, MySQL, SolrSearch, jQuery, Bootstrap, and etc.



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3) www.sozcu.com.tr Website and Administration Panel

Project Web Page: www.okhtay.name/projects/sozcu-website-admin-panel

Date: August 2022 - February 2023

Employer: PATH (www.path.com.tr)

Istanbul, Turkey

Role: Full-stack Web Developer

Technologies / Platforms: PHP, MySQL, jQuery, Node.js, Wordpress

Project Description:

www.sozcu.com.tr is among the 20 most popular websites in Turkey. It is a popular news website that its maintenance and development project was outsourced to PATH. The main website has been built and developed over Wordpress content management system. A number of custom Wordpress plugins have been developed to fulfill the special requirements of managing a news website. A special plugin was developed for sorting articles and fixing advertisements on the finance page of the website. A special plugin was developed for manual cropping of images based on a predefined aspect ratio before they can be added to the articles by editors. A special plugin was developed for planning and managing advertisements displayed on the homepage of the website. The advertisements are displayed on the website based on their pre-planned start and end date and times and also the device (mobile or desktop), position, and order specified for them. Also, other features were added to the website or the existing ones were improved. Also, the subscription website and its payment method was improved.



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4) 2EL Birinci API and Administration Panel

Project Web Page: www.okhtay.name/projects/2el-birinci-api-admin-panel

Date: February-March 2022

Employer: One IT Solution (www.oneitsol.com)

Istanbul, Turkey

Role: The Only Developer

Technologies / Platforms: PHP, MySQL, JavaScript, Laravel, Vue.js, Bootstrap

Project Description:

A REST API was developed using Laravel Framework, and based on the developed API, a Vue.js based client application was developed as an administration panel. This system provides functionalities for User Management, Client/Customer Management, Car Brand Management, Car Service Package Management, Website Content Management, Job Applicant/Application Management, Second-hand Car Listing View, and Car Service Appointment Management.

Clients/Customers can register on the website, and then login to the website. They can view the car advertisements put on the website for selling or rent. They can add the cars being advertised to their favorite list or remove them from their favorite list. Also, they can submit a car service request to the system. In their car service request, they must specify their car information such as brand, model, production year, mileage, plate number, and service information such as service type (Quick Service or Car Care), service package or service details, and service appointment date and time which is suitable for them.

Then based on the brand of their car for which a car service has been requested (such as Fiat, BMW, Renault, etc.), an email and SMS message will automatically

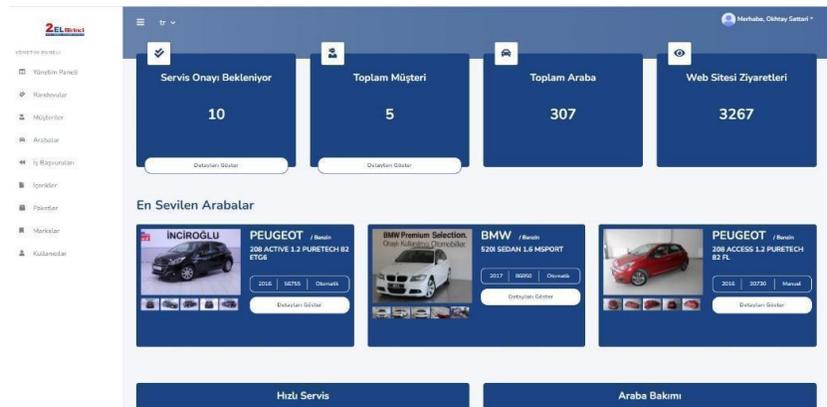


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be sent to each representative of that brand. By these automatic notifications, the brand representatives will be informed of the clients and their car service request information. These brand representatives have been registered in the system by the system administrators, so they are the users of the administration panel with the role "brand representative". Also in their profile information, the brand which they represent has also been specified.

After the brand representatives have been informed of the new car service requests, they can login to the administration panel to process those new car service requests. For example, they can modify the service appointment date and time, contact the client, and finally confirm the requests. After they have confirmed the car service requests, an email and SMS message will automatically be sent to the client who has requested that car service. By these automatic notifications, the clients will be informed of the confirmed date and time for their car service and the contact information of the corresponding brand representatives.

All supported car brands and car service packages can be managed on the administration panel. Also, the content of various parts of the website can be managed on the administration panel. Also, the users of the administration panel and the client/customer accounts can be managed on the administration panel.



On the dashboard of the administration panel, various types of statistics are shown such as the statistics of the car service appointments with different statuses, clients, car advertisements, website visits, the most favorite cars, the most favorite and the most visited cars based on the dates chosen on the calendar.



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5) AdimAdim API and Administration Panel:

Project Web Page: www.okhtay.name/projects/adimadim-api-admin-panel

Date: June - December 2021

Employer: Adim Adim (www.adimadim.com),

EarlyLearnY (www.adimadim.de, www.earlylearn.com)

Istanbul, Turkey

Role: The Only Developer

Project Description:

An OAuth2 based REST API was developed using Phalcon Framework. Also, based on the developed API Services, a special jQuery-HTML-CSS-based client application was developed as a new Administration Panel. So, the client-server interaction has been fully implemented by AJAX technology. So, the data presentation parts of all the client pages are fully generated dynamically using the functionalities of jQuery library. This client application is fully modular. All its codes are firstly classified into three directories: HTML, CSS, and JavaScript. The HTML directory is also divided into two directories: Header and Body. Then there is a special HTML, CSS, and JavaScript file for each module of the system in each of these directories. So, each module or page of the client application such as "Subscriptions List", "Orders List", and "Customers List" has its own special HTML header, HTML body, CSS style, and JavaScript file.



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The screenshot displays the 'Abonelikler' (Subscriptions) section of the AdimAdim CRM system. It features a table with columns for No, Müşteri, Tutar, Ödeler, Ödeme, Durum, and Alınma. The table lists several subscription records with their respective details.

No	Müşteri	Tutar	Ödeler	Ödeme	Durum	Alınma
270465	Hürriyet Hürriyet Tuncer (M4276) (16300343195)	854 TL	1 0	Ödeme alındı	Davam ediyor	22/11/2021 18:01 Etiler, Çankaya
270468	Caner Çiftaçoğlu (M4345) (16300343485)	663 TL	1 0	Ödeme alındı	Davam ediyor	22/11/2021 17:41 Flake Şişli
270466	Caner Çiftaçoğlu (M4345) (16300343485)	1026 TL	14 0	Ödeme alındı	Davam ediyor	22/11/2021 17:40 Flake Şişli
270463	Emel Marangoz (M4345) (16300343485)	1068 TL	12 0	Ödeme alındı	Uzram geliyor	22/11/2021 17:49 Flake Şişli
270464	Özkan Akar (M2776) (16300343485)	663 TL	1 0	Ödeme alındı	Davam ediyor	22/11/2021 17:47 Flake Şişli

6) AdimAdim CRM System:

Project Web Page: www.okhtay.name/projects/adimadim-crm-system

Date: May 2018 - August 2021

Employer: Adim Adim (www.adimadim.com),
EarlyLearnly (www.adimadim.de, www.earlylearnly.com)
Istanbul, Turkey

Role: The Senior Developer

Project Description:

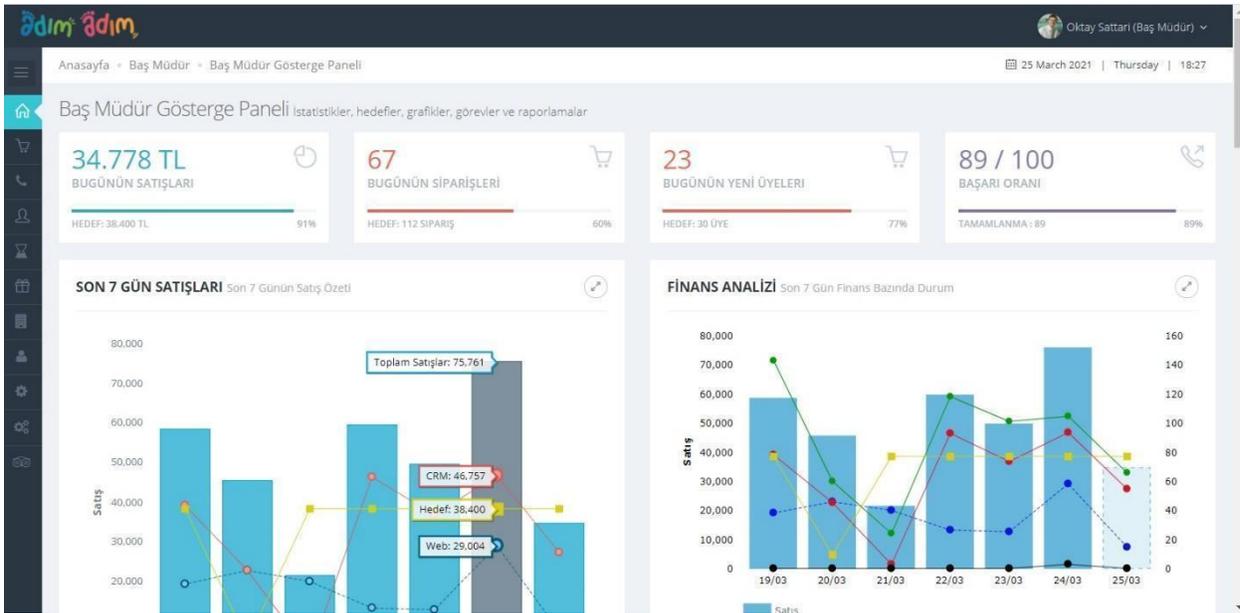
It is a type of CRM system which enables managing customers, call requests and dialogs, subscription based (continuous) orders and marketing campaigns based on complex business logics and web content. It was mainly developed for a specialized trading company based in Istanbul, Turkey that designs, organizes, and sells baby training sets for different baby ages ranging from 9 to 48 months old. These training sets were being sent month-by-month to the subscribed customers who either had paid for the products one-time in the past or paid every month. However, this system can be adapted to be used by any company which sells and sends some products to its subscribed customers according to a subscription-based business model.



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The system was developed based on the Phalcon Framework and MySQL database system with the purpose of ensuring high performance and scalability for a very large amount of data and interactions. More than 350,000 customers' data including their orders, dialogs, addresses, and children's data have been imported into the system, and the performance and speed of the system is very good in processing such a big amount of data. The imported data is real data migrated from the old system of the company to this new CRM system using some complex data migration processes.

The system allows adding various types of campaigns to subscription-based orders according to the current conditions and state of customers and the subscription package selected by them. These campaigns can cause discounts to the final price of the order items or the whole order, and they might cause some products to be added to that order as a present. The final price of the order, and the added presents are automatically computed by the system based on the rules of the valid campaigns which have been added to that order. The rules of various types of campaigns can be managed and updated.



The system is integrated with various payment gateways including the payment gateways provided by popular Turkish banks. Four types of payments are supported by the system: Artificial POS (Credit/Debit Card), Physical POS, Bank



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Transfer, Cash. Also, the information and result of transactions are stored in the system.

The system is integrated with an accounting system (i.e., Mikro) to automatically send customers, orders, and payments data to that accounting system, and then receive the orders' invoice and e-sign ID from the accounting system to be stored in this CRM system. The data can be sent or received either one-by-one to/from the accounting system directly on the system panel or as a batch of data according to their dates by some Cron job processes which can be set up and scheduled in the server.

The system is integrated with the systems of some postal companies to automatically send orders' data to the system of postal companies and get the statuses of the posted packages and update them into the system.

The system is integrated with a mailing and SMS planning / sending system to automatically send the required notifications or marketing mails or messages to customers based on the statuses or segments of those customers and their orders.

The system is integrated with a VOIP system for calling the customers on the system panel and getting the result of calling them from the VOIP system, and automatically stores those call results into the system. If customers open their phone, the agents can add the result of talking with the customer to the automatically created dialogs. All dialogs with customers are organized in call requests which are specified by customer, call subject, and related product, and then these call requests can be assigned to the agent users of the system to start calling them. The possible call subjects and call results can be added and updated in the configuration section of the system.

The customers are automatically segmented by some predefined customer segmentation tags. These customer segmentation tags can be used to quickly find and categorize the target customers for marketing and processing purposes to more effectively and efficiently decide about contacting customers to sell more to them or increase their satisfaction or loyalty or improve the performance of business processes.



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Several Cron job functions have been implemented in the system for running some scheduled inter-system or internal processes, such as sending the orders and customers data to the accounting system, cargo system, mailing/SMS systems, and internal customer segmentation processes. So, Cron job processes can be set up and scheduled in the server for data interaction with the postal services, mailing and messaging services, automatic payment services, and accounting system.

Various types of dashboard charts and diagrams have been implemented in the system that display and visualize the system's mass data in some special ways.

Since the prices of products can be changed over time, all the prices which are set for each product at any time are stored in the system for historical reviews and computations.

Various types of goals can be set in the system including their dates that will be used for evaluating the performance of workers, departments, and the whole business in different time periods. Based on these quantified goals, the performance of each seller agent and their corresponding reward are computed.

7) AdimAdim E-Commerce Website:

Live Web Address: www.adimadim.com, www.adimadim.de

Project Web Page: www.okhtay.name/projects/adimadim-e-commerce-website

Date: September 2018 - November 2021

Employer: Adim Adim (www.adimadim.com),
EarlyLearnly (www.adimadim.de, www.earlylearnly.com)
Istanbul, Turkey

Role: The Senior Developer



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Project Description:

An E-Commerce website was developed for a specialized trading company based in Istanbul, Turkey that specializes in organizing and selling baby training sets for different baby ages ranging from 9 to 48 months old. The website was developed using the Phalcon framework. This website provides the user interface and functionalities required for user registration, login, profile editing, addresses adding/editing, children adding/editing, displaying customer subscriptions/orders, and it implements the order submission process or wizard. This website also implements blog articles and categories, and several special pages such as the products listing and detail pages, the pricing page, and the list of distribution channels.

The implemented business model generally is based on subscription-based orders that means customers order a set of products, rather than just one product, considering the age of their children, and receive the products month by month while their children grow and therefore need more advanced training sets for learning and improving their skills.

This web application computes the starting training set item for the given child's birthday, the set items with their prices and the presents included in each subscription package based on the active marketing campaigns. It stores all these package-related information in the visitor session one time, and then uses them in the subsequent steps of order submission process or wizard to improve the performance. It displays the information of products and subscription packages to visitors of the website accordingly.

The order submission wizard contains 4 steps. In the first step, the child information is provided by the customer that can include twin information for twin children. In the second step, a subscription package is chosen by the customer. In the third step, the customer gives its general, billing, and shipping information. Finally, in the fourth step, the customer chooses the payment method, and makes a payment to submit an order. These processes involve several inter-related complex sub-processes because of the complexity of the business model which was implemented. The website is integrated with various payment gateways including



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the payment gateways provided by popular Turkish banks, PayPal, and payment service providers such as Iyzico and Adyen.

Previously, the website was implemented so if someone visited the website outside Turkey, the website could automatically recognize their location by using a web service, and then present the information accordingly on the website such as prices and subscription plans and use the e-commerce processes accordingly such as payment methods. So, the customer was able to select the country of their shipping and billing information and based on their selection, the cities and districts of that country were automatically loaded into the forms from a web service while the customer entered the names of cities and districts.

8) Lorem Ipsum CRM System

Project Web Page: www.okhtay.name/projects/lorem-ipsuma-crm-system

Start Date: November 21, 2016

End Date: January 22, 2018

Employer: www.loremipsuma.com, Istanbul, Turkey

Role: The Only Developer

Project Description:

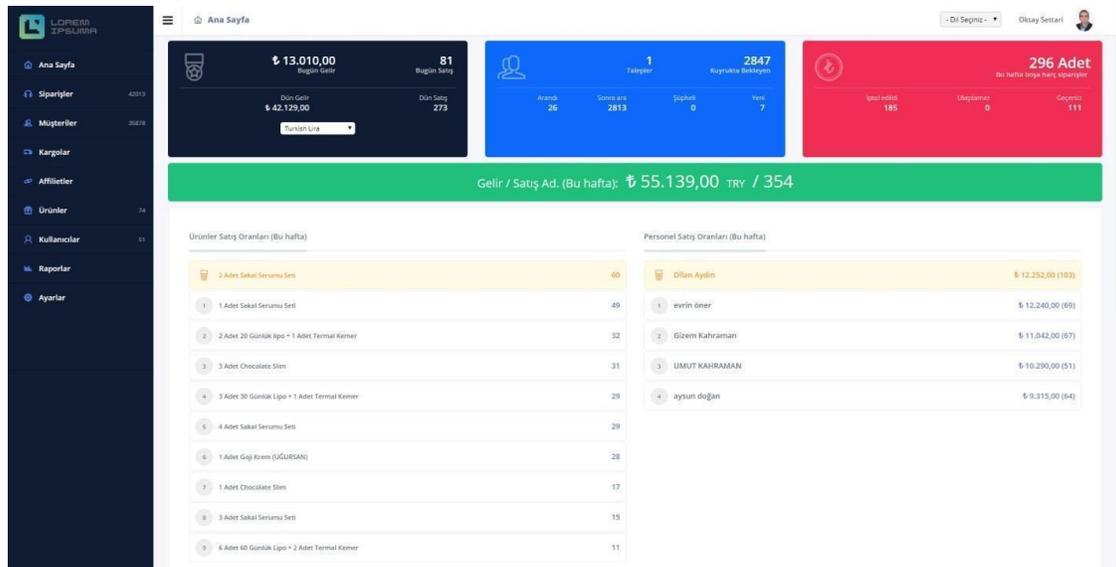
This custom full-feature CRM system was built for a Turkish Marketing Startup based in Istanbul, Turkey. Thanks to its well-designed architecture, this CRM system is a highly extensible and maintainable software system that can be easily and quickly adapted to the new and changeable requirements of a marketing company in a very competitive business environment. Its architecture is completely object-oriented, and it has been fully developed based on MVC design pattern. Its core is based on the TPS framework, a PHP framework I have developed myself for implementing extensible, flexible, and highly customizable business applications.



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This CRM system can handle many complexities including but not limited to Localization and Multi-Language usage, Flexible Access Control Management, User Management, Customer Management, Contact Information Management, Product Management, Request and Order Management, Event Handling and Event Reports for orders, customers, users, and products, Agent Management, Shipping Management, Landing Page Integration, S2S Post-back Integration (with the Referrers), API based Integration, Affiliate Accounts and Management, Conversion Policies, various types of Report Generation Tools, considering non-functional features and requirements including Scalability, Reliability, and Security.

Leads are generated in the system either directly through the integrated landing pages or are entered into the system by other third parties through the system API. Generally, a lead consists of customer's full name and phone number. The generated leads can be approved by administrators and converted to orders, and then the created orders can be assigned to different agents to start processing them.



Customers are separated from orders in the system. Each customer can have more than one order over time, and a customer can be assigned to an order. When agents start processing a new order, they can use the “Find Customer” tool which helps them to find the customer of the order among all existing customers based



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on the lead's full name and phone number. If there is already such a customer in the system, they can assign it to the order, and if there is not that customer information in the system, they can create it as a new customer. Customer profile information can be saved in the system in multiple languages that means each customer can have more than one profile in different languages. Each customer can have more than one contact information. Contact information can also be multi language.

When an agent gets the approval of customers for their order so that the order items can be sent to the customers, if the shipping information of a customer does not already exist in the system, the agent must create it as a new contact for that customer. Then the agent must select one contact from the customer's contacts list for shipping purposes, the contact which has been approved by the customer. Then that contact will be assigned to the order and submitted to the shipping department for shipping related processes.

The quality control and shipping managers can check and inspect the orders approved and submitted by the agents for shipping, and if they approve them, then the orders will be sent to the shipping queue in the system. In a predetermined time during each working day, the excel export of the orders existing in the shipping queue is created by the shipping manager to be sent to the shipping company, and then the status of those orders will be changed to shipped. The system can automatically get the shipping status of the shipped orders by connecting to the server of the shipping company through its corresponding API. Then the final status of the shipped orders whether it is delivered or undelivered can automatically be obtained and set by the system.

Products are also created in the system as multi language entities, and they can be organized in hierarchical groups. Product groups are also created in the system as multi language entities, and they can be organized in a hierarchy. Multi language entities can have more than one profile in different languages. Customers and contacts as mentioned above are also multi language entities. Departments which can be assigned to the users of the system are also multi language entities which can be organized in a hierarchy. It is also possible to attach files and images to the profiles of customers, products, product groups, and departments. The attached



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images might be automatically cropped and optimized by the system based on the system configuration parameters before they are saved in the system.

For each order, the agents can easily find a product from a list to add it to that order. They can add more than one product with any amount to each order. The final subtotal of the order will automatically be computed by the system based on the price of the products. But the agents can also manually set the subtotal and discount of the order, and then the total of the order will automatically be computed by the system. The price of the products and the value of orders can be easily viewed and processed in multiple currencies. The main report generation tool allows changing the currency to see the revenue and cost values in different currencies.

The web address of the integrated landing pages and the address of the API leads are stored in the system if they are sent by the client apps. If the lead requests contain some new referrer information, that referrer information will also be stored in the system. The system can generate various types of reports for every referrer or landing page.

Affiliate entities can be created in the system, and then landing page addresses existing in the system can be assigned to them. For each landing page of an affiliate, a payout value can be set in any supported currency. That payout will be paid to that affiliate for each conversion occurring for the leads which come from that landing page. Then the system can automatically compute the total revenues of the affiliates in various time periods and separately for each landing page assigned to them.

User accounts can be created in the system in one of the two classes “Employee” and “Partner”. Also, a user group must be assigned to each user that determines what information that user is authorized to access and what actions it is authorized to do in the system. User profiles are also multi-language, and users can have more than one profile in different languages. Also, users can have more than one contact information in different languages. Also, users can attach some files and add their photo to their profiles. Landing pages, referrers, or affiliate entities can be assigned to partner accounts, and then those partner users can see the leads and



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orders come from the assigned landing pages or the landing pages of the assigned affiliate entities or can see the leads and orders referred by the assigned referrers. The partner users to whom some affiliate entities have been assigned can see their revenues and statistics in various time periods.

All events of any type including create, update, and delete in orders, customers, products, and users are recorded in the system and can be easily accessed and reviewed at any time in the future. So, in the system it is always clear which user at what time has caused which changes in which fields of orders', customers', products', and users' data. Also "Check in" and "Check out" actions have been implemented in the system to prevent editing entities such as orders, customers, and products by more than one user at the same time.

An almost full localization is supported by the system including languages, currencies, countries, zones, cities, and districts or areas. The system is multi-language at its core, and new languages can be easily added to the system. New countries, zones, cities, and districts can be added to the system to be easily used in creating the contact information of customers or users in the system. New currencies can be added to the system to be easily used for setting the price of products and the value of orders.

This CRM System has been developed based on TPS Framework that is a highly extensible and maintainable software development framework. The system is highly scalable and it has good performance considering the large amount of data which has been being processed and stored in the system within about one year after the marketing company has started using this system.



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9) Basic Shopping App by Pure PHP

Project Web Page: www.okhtay.name/projects/basic-shopping-app

Project GitHub: <https://github.com/okhsat/shopping>

Project Demo: <http://shopping.turandevlop.com>

Date: December 2021 - Two weeks

Employer: Self Employment (Developed for demonstration/prototyping)

Role: The Only Developer

Project Description:

“Basic Shopping” is a small, powerful, and easy to use shopping cart solution. It provides all the functionalities and user interfaces required for user registration, login, profile updating, product rating, adding to/removing from the shopping cart, payment by user's available credit/balance, and presentation of user's past orders.

Basic Shopping has been created by Pure PHP in its backend or server-side. No external PHP framework or PHP library has been used for creating this small but at the same time powerful web application. It has been implemented based on MVC design pattern, and it implements some basic coding features such as Auto Loading and Routing. So, it is highly extensible and maintainable.

10) Modamolo Category Matching System

Project Web Page: www.okhtay.name/projects/modamolo-category-matching-system

Client: Modamolo Shop

Role: The Only Developer

Date: April 2018 - Two weeks



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Project Description:

It is a small but powerful web application for matching the categories of the product providers with the categories of the seller that have been defined in an OpenCart e-commerce system. The categories of the product providers are extracted from their xml exports published at web addresses. The categories of the seller are obtained from their provided API based on OAuth 2.0 protocol. The matching results are exported as a set of Excel functions which can be used for importing the products data from the provider xml file into the seller OpenCart system. The system has been developed using TPS Framework. Also, the jQuery AJAX technology has been used for obtaining the seller categories from their OpenCart system.

11) Office Automation System Alignment and Deployment

Project URL: <http://sahandazar.net>

Employer: Sahand Azar Company

Role: The System Manager, Aligner, Coordinator, and Trainer

Project Start Date: April 2015

Project Duration: One Year

Project Description:

An Office Automation System enables electronic delivery, interchange, and storage of all documents and internal or external letters of a company. It is a web-based software system that makes all documents and letters of a company accessible from any place any time. An Office Automation System has been selected and bought to be installed in the private server of Sahand Azar Company to be used for storing and interchanging of documents and letters across the organization including the main office in Tehran, and the sites or working places in other zones of Iran. The system has been configured according to specific requirements of the company, and the company staff has been trained to use it.



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12) A jQuery AJAX Client-side Application for Buying and Advertising Offers

Project Web Page: www.okhtay.name/projects/uk-ir-currency-exchange-ui

Demo URL: www.demo.ebtps.com/currency-exchange

Employer: An Independent Entrepreneur

Role: The Only Developer

Date: April 2016 - One Month

Project Description:

A jQuery Ajax UI has been developed that interacts with a Web Service in JSON format for doing various actions and presenting data that include Login and Logout, User Registration, Password Recovery, Editing User Account and Profile, Contact Form and Mailing user messages, Getting Reference Number to be used by the user for adding credits to his account, Pay Back Request, Getting Live Offers and User Offers and Presenting their list by client-side pagination of them, Buying Offers, Editing Offers or Adding New Offers by the corresponding user, using Lightbox for displaying action forms, Form validation and Responsivity.

13) Orders Management Automation for an Online Store

Project Web Page: www.okhtay.name/projects/tehrankala-orders-processing-system

Demo URL: www.demo.ebtps.com/tehran-kala

Employer: Tehran Kala Company, An Online Store (Retailer)

Role: The Only Developer

Project Start Date: May 2016



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Project Description:

A Web Application has been developed for displaying and inspecting various types of information relating to the processing of orders, transiting orders from one status to another status, and generally processing orders from their submission until the delivery of their items or products to customers. It contains a jQuery UI for processing various types of bar codes such as invoice barcodes, product bar codes, postal and courier barcodes, and operator bar codes that automate the process of fulfilling orders by changing their status, assigning their postal service or courier, saving their history, inspecting their products, and matching their various corresponding documents.

14) TPS Software Framework

Project Web Page: www.okhtay.name/projects/tps-software-framework

Product Document: www.okhtay.name/images/projects/tps-framework/documentation.pdf

Project Start Date: 2010

Last Stable Version: 2.0.0

Under Development Version: 3.0.0

Employer: Self Employment (used for serving the clients)

Role: The Only Developer

Project Description:

“TPS Software Framework” is an independent, stand alone, powerful, and highly extensible, flexible, and maintainable software framework as a set of classes written in PHP programming language that implement the core functionalities required for creating a custom Electronic Organization Management Solution including a Customer Relationship Management (CRM) Solution.



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TPS Framework provides some high-level classes for implementing various types of business models. It includes several high-level concepts such as “Entity”, “Relation”, “List”, “Media Manager”, “User Content”, “Notification”, “User Visibility Policy”, “Object Event”, “Component”, and “Platform Connector” to make building complex (business) applications much easier and quicker by increasing the extensibility and maintainability of the system.

An “Electronic Organization Management Solution” is created according to specific Business Logic Requirements of an organization and it enables Integrated Management of all Organizational Resources and Relations, including Documents, Media, and Downloads, Countries, Zones, GeoZones, and Contacts, Departments, User Fields, User Profiles with various classes or roles such as Customers (Clients), Partners (Partnerships), Employees (Collaborators - Human Resources), Entrepreneurs, Investors, and Independent Users, Customer (Client) Relationships and Marketing Resources including Newsletters and Mailing Lists, Relations and Visibility of users to each other, Asynchronous Communications including Message Threads, Ticket Threads, Orders, Requests, and Contracts, Notes, Commerce including Currencies, Taxes, Brands, Products, Services, Subscription Definitions, Shopping Cart, Subscriptions, Invoices, Payments, Shipments, and Expenses, Event Driven Notifications, CRM related functionalities including orders, requests, referrers, pages, affiliates, shipping types, reports, and ..., Organizational Events including creations, changes, and deletions, User Groups and Communities, Custom Forms, Records, Tasks and Workflows, across the boundaries of that Organization.

In the web applications which are built using TPS Framework, the main functionalities or processes (data storing, complex data processes, data retrieving) are always implemented and concentrated in a library separated from the application layer. Also, there are two other layers namely “Platform Connector” and “Application”. The platform connector works for connecting the application to any platform which provides some basic functions such as Request / Response or user Authentication / Authorization functions for integrating the application with that platform. In TPS Framework, there is a built-in platform connector namely “General Platform Connector” which provides the basic functions



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required for building an independent and stand-alone web application. The application layer implements business logic related processes and communicates with the framework to receive the results from it, and it performs the appropriate action (e.g., presenting the data to the user) based on the request data and the results received from the framework.

“TPS Framework” can be easily extended to support new types of entities, new classes of user profiles, new types of user contents, new visibility policies, new types of notifications, new types of relations, and new scopes for media management, by a considerably little development effort. Realizing a light and at the same time powerful, extensible, flexible, and maintainable software framework has been the most important principle in designing the architecture of TPS Framework. TPS Framework should ideally provide all the functions required for storing, retrieving, and processing of data in a custom Electronic Organization Management System.

15) TPS Electronic Organization Management System

Project Web Page: www.okhtay.name/projects/electronic-organization-management-system

Product Document: www.okhtay.name/images/projects/e-organization-management/documentation.pdf

Project Start Date: 2010

Last Stable Version: 1.1.1

Under Development Version: 2.0.0

Employer: Self Employment (used for serving the clients)

Role: The Only Developer

Project Description:

“Electronic Organization” is an Enterprise which can entirely develop over the web. It markets, finds clients and customers, sells goods, and organizes and serves its customers and clients over the web. It finds and organizes its partners,



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collaborators, and employees over the web. It finds investors and entrepreneurs for innovation and development and organizes them over the web. Electronic Organization can organize and manage all its Resources and Relations over the web.

“TPS Electronic Organization Management System (TPS EOMS)” is a web-based software system which enables and realizes an Electronic Organization to come into existence and work. Electronic Organization Management System provides functionalities for defining or creating various types of entities, user profiles, user visibility policies, notifications, relations, and user contents, and for integrated management of all media across the organization. So, an Electronic Organization Management System enables an enterprise to entirely develop over the web.

“Electronic Organization Management System” enables Integrated Management of the following resources and relations in an organization:

- 1) Multi-Language Multi-Class Field-based User Profiles including Clients (Customers), Partners, Collaborators (Employees), Investors, Entrepreneurs, Independent Users, and Vendors
- 2) Communications including Message Threads, Ticket Threads, Requests, Orders, and Contracts
- 3) E-Commerce Entities and Processes including Products, Services, Subscription Levels, Shopping Cart, Invoices, Expenses, Subscriptions, and Payment Methods
- 4) Media in Various Scopes, Downloadables, Playables, Viewables, and Libraries
- 5) User Visibility Policies that determine which users could see each other and communicate with each other
- 6) Mailing Lists and Newsletters
- 7) Event Driven Fully Customizable Notifications which are automatically sent when the status of a user content changes
- 8) Categorizations, Relations, Events
- 9) User Groups
- 10) Forms and Records
- 11) Tasks and Workflows



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“TPS Electronic Organization Management Solution” has been developed over a custom, stand-alone, powerful, and extensible Software Framework namely “TPS Software Framework”.

16) Barcode Enquiry System

Project Web Page: www.okhtay.name/projects/barcode-enquiry-system

Project Date: January 2017

Project Duration: One Week

Employer: www.loremipsuma.com, Istanbul, Turkey

Role: The Only Developer

Project Description:

This system provides a public user interface for enquiring the validity of barcodes by barcode, customer name, and phone number. The enquiry process is performed by the system based on an existing database of barcodes including the product names and the valid barcodes for them, and if the entered barcode is valid, the customer’s name and phone number and the names of their enquired products will be stored into the database. Also, there is an admin UI for visualizing the product barcodes and customer data.



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17) TPS XML Backup and Migration Tools

Project Web Page: www.okhtay.name/projects/xml-backup-migration-tools

Employer: Self Employment (Developed for Our Clients)

Role: The Only Developer

Project Start Date: July 2011

Project Description:

“TPS XML Backup and Migration Tools” is a Joomla component which enables creating XML based backup files from the data existing separately in the different tables of a database, creating backups from the images folder, and creating xml-based migration files from a database to be used for migrating to systems with different data models. The created XML based backup files can be restored again into the database.

18) Iran Stocks Market

Project Web Page: www.okhtay.name/projects/iran-stocks-market-system

Demo URL: www.demo.ebtps.com/stocks

Employer: An Independent Entrepreneur

Role: The Only Developer

Date: August 2013 - Two Weeks

Project Description:

“TPS Stocks Market” enables managing bought stocks and viewing the statistics data of Iran’s stocks market. It loads the statistics data of Iran’s stock market from the reference website. It also shows the instant changes in the quantities of the statistics by two colors: green for increase and red for decrease.



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19) TPS Maxi Menu Module

Project Web Page: www.okhtay.name/projects/maxi-menu-module

Employer: Self Employment (Developed for Our Clients)

Role: The Only Developer

Project Start Date: March 2014

Project Description:

“TPS Maxi Menu Module” is a Joomla module which enables creating sophisticated horizontal or vertical multi-column CSS menus on a Joomla website.

20) TPS Slide-Show Module

Project Web Page: www.okhtay.name/projects/slideshow-module

Employer: An Independent Entrepreneur

Role: The Only Developer

Project Start Date: May 2014 - Two Weeks

Project Description:

“TPS Slide-Show Module” is a Joomla module which enables creating and showing a simple slide-show with navigation arrows and tabs on a Joomla website.



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21) Several websites built as follows

Address	Client	Date/Duration	Technologies/Role
www.adimadim.de www.earlylearn.com http://earlylearn.turandev.com	EarlyLearn	September 2020	Web Page, Only Developer The graphical design of EarlyLearn website was converted to a HTML/CSS/JavaScript web page using Vue and jQuery technologies.
www.turandesign.com 	Self Employment (Our Freelancing Website)	March 2013	Joomla, Only Developer Turan Designers Group, A Branding Group
www.kotamgostar.com 	Kotam Gostar	February 2016 - 2 Months	Joomla, Only Developer
www.padjameh.ir	Pad Jameh	July 2014 - 2 Months	Joomla, Only Developer



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<p>www.tejaratsazan.co</p> 	<p>Tejarat Sazan Rahbord</p>	<p>June 2014 - 2 Months</p>	<p>Joomla, Only Developer</p>
<p>www.safeertech.ir</p> 	<p>Safeeran Safety Techniques</p>	<p>September 2013 - 2 Months</p>	<p>Joomla, Only Developer</p>
<p>www.safeertech.ir/uvex</p> 	<p>Safeeran Safety Techniques</p>	<p>September 2013 - 2 Months</p>	<p>Joomla, Only Developer</p>
<p>www.safeertech.ir/microgard</p>	<p>Safeeran Safety Techniques</p>	<p>September 2013 - 2 Months</p>	<p>Joomla, Only Developer</p>

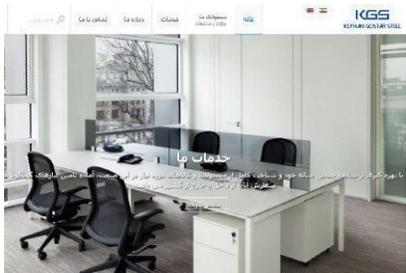


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<p>www.languageclub.ir</p> 	<p>Language Club</p>	<p>April 2014 - 6 Months</p>	<p>Joomla, Only Developer -</p> <p>An English learning website which enables online payment and subscription to various types of courses or lessons presented on the website. There are various subscription levels with different access levels for users with different professions or goals such as businessmen or medical doctors who intend to learn English as is useful in their own field of work. The website offers several dictionaries, a lot of online exams and a lot of downloadable files and playable media included in the lessons or provided separately in the download section.</p>
<p>www.maxrealtyhomes.com</p> 	<p>Max Investment</p>	<p>July 2013 - 2 Months</p>	<p>Joomla, Only Developer</p>



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<p>www.kgs.co.ir</p> 	<p>Keyhan Gostar Steel</p>	<p>October 2016 - 2 weeks</p>	<p>Joomla, Only Developer</p>
<p>www.goletehran.com</p> 	<p>Super Gole Tehran</p>	<p>February 2014 - 1 Month</p>	<p>Joomla, Only Developer</p>
<p>www.iliamedical.ir</p> 	<p>Iliamedical</p>	<p>March 2015 - 1 Month</p>	<p>Joomla, Only Developer</p>



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<p>www.tamadonsazan.ir</p> 	<p>Tamadon Sazan Ferdowsi</p>	<p>September 2014 - 1 Month</p>	<p>Joomla, Only Developer</p>
<p>www.sahandazar.com</p> 	<p>Sahand Azar</p>	<p>June 2013 - 1 Month</p>	<p>Joomla, Only Developer</p>
<p>www.turandeniz.com</p> 	<p>Turan Deniz</p>	<p>May 2013 - 1 Month</p>	<p>Joomla, Only Developer</p>
<p>www.sk.co.ir</p> 	<p>Sahand Kish</p>	<p>March 2012 - 1 Month</p>	<p>Joomla, Only Developer</p>



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www.yaghutjam.com 	Yaghut Jam	August 2014 - 1 Month	Joomla, Only Developer
www.petroaraz.com 	Petro Araz	January 2012 - 1 Month	Joomla, Only Developer
www.ebtps.com	Turan Planners of Software	July 2011 - 1 month	Joomla, Only Developer
demo.turandesign.com/b2b	BazarExpo B2B Portal	April 2014 - 2 Months	Joomla, Only Developer - A B2B Portal



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22) TPS Semantic Similarity Computer

Project Web Page: www.okhtay.name/projects/semantic-similarity-computer-module

Employer: Malek Ashtar University

Role: The Only Developer

Project Start Date: June 2012

Project Duration: Three Months

Project Description:

It is an application that computes the semantic similarity between two concepts defined in an OWL ontology. This application has been implemented as a Liferay portlet by Java programming language based on Jena semantic web framework and Pellet reasoner and it uses a sophisticated semantic similarity calculation algorithm that computes the similarity between two concepts by the extent to which the two concepts overlap or can share instances in common.

23) TPS Semantic Service Matchmaker

Employer: Tarbiat Modares University

Role: The Only Developer

Project Start Date: July 2009

Project Duration: Three Months

Project Description:

It is a windows application implemented by Java programming language that semantically matches a web service request with all the web services existing in the repository to find and rank the web services which can fulfill that web service request. It uses a simple Paolucci web service matchmaking algorithm. Also, the web services have been semantically described based on OWL-S ontology.



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➤ Education:

1) Master's Degree in IT Engineering

Subject: IT Systems, Service Oriented Architecture, Semantic Web

University: Tarbiat Modares University, Tehran, Iran.

Translated Document: www.okhtay.name/cv/master-degree-translated.jpg

Original Document: www.okhtay.name/cv/master-degree.jpg

2) Bachelor's Degree in Industrial Engineering

Subject: Planning and System Analysis

University: K. N. Toosi University, Tehran, Iran.

Translated Document: www.okhtay.name/cv/bachelor-degree-translated.jpg

Original Document: www.okhtay.name/cv/bachelor-degree.jpg

• IQAS Assessment:

www.okhtay.name/cv/iqas-assessment.jpg

➤ Interests:

- History and Culture, understanding history and historical trends
- Mountain climbing, walking or hiking in nature
- Swimming, Gym, Fitness
- Traveling
- Nature, Animals
- Listening to pop and rock music

