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🏠 Kartal / İstanbul

Taha Zahit Hakyemez
Computer Science Engineer

EDUCATION

Sep 2016 - Jun 2019
Computer Science Engineer at Yeditepe University   İstanbul

Jun 2014 - Sep 2016
Computer Engineering at Karadeniz Technical University Trabzon

Oct 2010 - Jun 2014
High School at Hacı Hatice Bayraktar Anadolu Lisesi İstanbul

WORK EXPERIENCE

Sept 2020 - March 2021
Senior Software Engineer Hak Yazılım   Trabzon
We provide software consulting and development services to our customers.

Sept 2020 - March 2021
Software Engineer BIS Çözüm   İstanbul
At BIS Çözüm we developed a human resources module to UNICREDIT Bank with the team.

Nov 2018 - Sept 2020
Software Engineer Data – Extreme   İstanbul
Database consulting service and system administration services were provided for a more opitmize system.

Aug 2018 - Nov 2018
Software Engineer Ziraat Teknoloji   İstanbul
At the Ziraat Teknoloji company that I entered under the internship program. We switched Hp Business Process Management to Zabbix solution which is open source.

Aug 2017 - Oct 2017
Mobile Developer Ziraat Katılım Bankası   İstanbul
As a result of the work I have done in the Ziraat Participation Bank, a module has been developed in which mobile transactions on ios and android versions can be performed such as credit withdrawal and viewing.

Feb 2016 - Dec 2016
Co – Founder Hydron Tech.   İstanbul
Within the scope of the Hydron tech initiative, hearth rate read through the steering wheel to generate notification to the user.

PUBLICATIONS

"Outdoor Parking Spot Detection with Deep Learning for Smart Cities"
Prof.Dr.S.Gören, K.D.Yıldız, D.F.Öncevarlık, T.Z.Hakyemez

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PROJECTS

Altın Barkod *(C#, ASP.NET, MsSQL, SignalR, AutoMapper, MessagePack, Google Vision, Xamarin, Syncfusion)*
In That project we develop a Jewellery automation application. I developed Mobile Application and API layers for this project. AltınBarkod provides live market tracking, accounting management, price board, stock management, customer management...etc. In mobile application SignalR was used for live data communication. MessagePack was used for minimum data size when transfer live marked data. Syncfusion was used for user friendly components Xamarin was used for cross platform mobile application. Google Vision was used for barcode scanning.

KiviERP *(C#, ASP.NET, MsSQL, Xamarin, Syncfusion)*
KiviERP is an ERP software for distribution automation, supply chain visibility, and enhanced customer engagement. I developed API and Mobile application for this project. On mobile application we used Xamarin (which is cross platform mobile application framework provided by Microsoft) and Syncfusion components. On backend we used ASP.NET for API and MsSQL for database layer.

Human Resources Application *(C#, ASP.NET, Oracle SQL, HTML, CSS, JavaScript)*
During my time at BIS Çözüm company. We developed a human resources application for Italy's UNICREDIT bank. I served as a full-stack developer in this developed application. The application developed consists of a N-tier system. asp.net was used while the frontend was developed, and OracleSQL was used with .net web services at the back-end.

Daily News *(C#, ASP.NET, Blazor, MSSQL, HTML, CSS)*
Dailynews is a web application where news entered by users is stored and a daily newsletter can be created. Mazars DENGE company creates a daily newsletter. In this application, it is an application that reduces the workload of the purpose, allowing multiple users to enter news at the same time and a newsletter containing the news of tomorrow at the end of the day, and sending the newsletter to the followers by e-mail. While developing the application, blazor on frontend, asp.net core WebAPI and MSSQL on backend were used.

Course Management System *(C#, ASP.NET, React, MSSQL, HTML, CSS)*
This is a web application where the lessons and homework given by the staff can be managed. There are 3 different roles and 20 different pages in the application. The application was developed using react on the frontend and asp.net and mssql on the backend. While the application is being developed, the data access layer of the data-extreme framework we developed earlier was used. This project is currently used by "Mazars Denge".

Deskbooking *(C#, ASP.NET, Blazor, MSSQL, HTML, CSS, Active Directory, IIS)*
Due to Covid-19, company personnel should not sit side by side. I have developed a table reservation application that will solve this problem. The application shows the users the areas they can sit in, ensures that these areas are reserved, and generates reports for each day. The application has been developed using blazor as frontend and asp.net and MSSQL as backend. While the application is being developed, the data access layer of the data-extreme framework we developed earlier was used and it works integrated with CRM module. This project is currently used by "Mazars Denge".

Data-Exreme Framework *(C#, IL, Reflection, MSSQL, Cryptography, TCP)*
In this project, a bussiness framework developed with .NET Core. This framework allows for rapid code development. It has own Service cominication protocol, Logging layer, Database communication layer.It supoorts transactional operations. Service cominication protocol uses TCP and RSA algorithm for security.

HP BPM to Zabbix *(Open Source implementation)*
I took part in the transition process from HP BPM to Zabbix at Ziraat Participation Bank. This process has been accomplished successfully.

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Chat on Hub *(Java, TCP, Cryptography, Network)*
Chat on hub is a completely secure chat application. IP addresses and MAC addresses of people in the system cannot be determined. The system GUI is developed with Java. The communication system is writed with C using TCP protocol. MAC addresses are spoofed during communication. The system consists of super nodes and normal nodes. Super nodes are designed with OpenWRT. The messaging is encrypted end-to-end using the RSA algorithm. A special protocol was developed during the development of the system.

Monitoring Hair Removal Devices with Zabbix *(System Design, Implementation, Open Source, Network)*
In this project, it is aimed to monitor the hardware problems of epilation devices remotely. While the project was carried out, the information of the epilating devices was collected via raspberry pi over rs232 port. The collected data was sent to a linux server running zabbix on amazon aws. It can also send notification to the system users via telegram.

Online Game Bot *(C#, DLL Injection, Remote Thread Creation/Management, Assembly, Reverse Engineering)* ,
In this project knight online client was examined with tools like OllyDebugger. Based on this review, a bot is designed with C#. During the development of bot, techniques such as remote threading, dll injection, remote memory manupilation, remote function call, assembly code analysis were used.

Online Game Server *(C++, TCP, UDP, Reverse Engineering, MSSQL, Network)*
In this project, the requests of knight online client were listened to and the responses were generated. The project was developed in C++. Finally, a knight online server-client system that can work in local without a server connection is provided.

Server Based Indoor Positioning System with Artificial Neural Network *(Python, Neural Networks, WebAPI, Raspberry, Linux)* In this project, Indoor location estimation without GPS is tried to be performed by using RSSI values and the system works with 1.5 meter precision. System uses Artificial Neural Network and a specific algorith which is developed by mine when estimating position.

Outdoor Parking Spot Detection with Deep Learning for Smart Cities *(Raspberry, Linux, System Design, WebAPI, Deep Learning)*
By using deep learning, outdoor parking spot detection via roadside units is developed for cities. Parking spot detection part developed with python and tensorflow. Front-end part developed with react native. Twipy (Python, Twitter API, AI) A Python bot that automates several actions on Twitter, such as following users and favoriting tweets developed with python.

Heartbeat on the Steering Wheel *(Arduino, Raspberry, Hardware)*
A system that can detect your heart beat from the street wheel developed with arduino and raspberry pi.

Pinktopus *(C#, Unity, Game Development, Project Management)*
Pinktopus is a platform independent 2D adventure game for kids developed with unity.

Rooster *(C#, Unity, Game Development, Project Management)*
Rooster is a platform independent 2D game for kids developed with unity.

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