ERAY ARAS
CURRICULUM VITAE | **English**

PERSONAL INFOS

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EDUCATION

Izmir University of Economics

Bachelor's degree,
Computer Science

(English)

LANGUAGE

TURKISH
NATIVE

ENGLISH
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WORK EXPERIENCE

2015-01 - 2015-02	Tesla Ar-Ge Teknoloji **Intern**
2016-07 - 2016-08	B/S/H/ **Intern**
2016-08 - 2017-06	Tesla Ar-Ge Teknoloji Part Time, **Software engineer**
2017-06 - 2018-12	Tesla Ar-Ge Teknoloji Full Time, **Software engineer**
2018-12 - 2020-01	Simply Deliver Full Time, **Software engineer**
2020-02 - 2020-05	Litum Full Time, **Software engineer**
2020-05 - 2021-12	Freelance Full Time, **Software engineer**
2020-05 - Present	Indie Part Time, **Mobile engineer**
2021-12 - Present	Zade Agency Full Time, **Full-Stack engineer**

TOOLS & TECHNOLOGIES

Back-end
- PIC MCU
  (C Language)
- Node.JS
- Express.JS
- Python
- Pl/Sql
- Sql(MySql - SQLite)
- NoSql(RealmDB - MongoDB)
- Firebase(Fcm - Realtime DB)

Front-end
- Html5
- Css3
- JavaScript
- TypeScript
- React.JS
- Redux, Redux-Toolkit
- Oracle Apex

Mobile App
- Hybrid
  - React Native
- Native
  - iOS (SwiftUI)

Game
- Unity(C#)

PROJECTS

FOR COLLEGE

- **Speech Recognition with Tensorflow(Graduation Project)**
  - • Project description: Collection of speech command voice data(left, right, up, down etc.) trained with Machine Learning framework Tensorflow for recognition speech commands to steer the drone. Api is written in Python.

- **Artificial Intelligence Project(Travelling Salesman Problem)**
  - • Project description: Finding the optimum path using heuristic search algorithms to visit and collect data from distributed nodes. Written in Python.

- **Blood Donor mobile application with Ionic 2**
  - • Project description: Blood donors and blood seekers meet on this platform. Typescript and Html 5 are main languages, Firebase is used as a database.

- **Restful Api with NodeJS**
  - • Project description: NodeJS Web Server response with various DNA conversion requests. Project published on university's web site.

FOR TESLA TEKNOLOJI

- **Embedded system design with PIC**
  - • Project description: Keypad, Lcd, 7 segment, RS232, Uart software driver implementation using Pic microcontroller(16F1789).

- **Egg Production Farm Automation**
  - • Project description: Eggs conveying on a belt are detected and counted by a RaspberryPi camera module using image processing and computer vision library OpenCV which is written in Python. Number of counted eggs are sent by RaspberryPi to a server program written in NodeJS. Server has the following features: Terminals can be added or removed from the server. Real-time production monitoring. Report on selected dates with charts and tables.

- **Textile manufacturing tablet automation application with Android**
  - • Project description: Operators' tablets communicate with NodeJS server over this Android application to report operators' productivity. Written in Java.

- **Restful Api with NodeJS**
  - • Project description: ESP8266 WiFi chip integrated Pic microcontroller communicates with NodeJS Http/TCP web server and stores data in MySQL database.

FOR SIMPLY DELIVER

iShare Integration
- Project description: iShare makes it easier to data sharing among logistic companies. Implementation relies on oAuth 2.0 protocol, written in NodeJS. https://github.com/erayaras/code-snippets/tree/master/NodeJS

TX Logistik Reporting App
- Project description: The company TX Logistik has a Oracle Apex reporting app developed by Yellowstar Logistic Solution Company to report their logistic processes but the app was serving some wrong reports and my mission was to correct the sql queries to make reports give proper results.

'88 Graduates Information Platform with NodeJS
- Project description: '88 Ege University Medical School graduates can sign-up to the platform and see each other's informations such as where they live, where they work etc. Fronend is Oracle Apex, Back-end written in NodeJS and MongoDB used as a database.

Read Email to Export PDF with NodeJS
- Project description: User can define email address and email title from Oracle Apex web app, If any incoming emails are matched by NodeJS server, e-mail is converted to PDF and sent as a WhatsApp message.

Simply POD(Proof Of Delivery)
- Project description: The product is a cloud based solution from Simply Deliver and it consists of 2 parts. First one is a Backoffice program and the second one is a mobile application(POD). They are developed on Oracle Apex and the backend is Pl/Sql. Also some 3rd party solutions are implemented to POD in NodeJS such as push notification, WhatsApp integration, payment systems etc. My tasks were to develop the new features also maintain the old ones and solve the bugs.

FOR LITUM

Carlsberg WCM
- Project description: Carlsberg has facilities around the world and wanted to run them and share knowledge from one place. I worked as a full-stack engineer and my mission was to develop Front-end application in Angular 7 and Back-end application in .Net Core.

Parsing Word Document
- Project description: For any .docx file, the software converts documents to .html and parses with the XPath in JavaScript.

AS AN INDIE

Expense Tracker Mobile App

• Project description: This mobile application allows users to track the expenses by constructing the categories according to their needs and sort them by cost and date.

Written in React Native, the database is RealmDB.

Play Store Link

https://play.google.com/store/apps/details?id=com.harcamatakip

App Store Link

https://apps.apple.com/tr/app/harcama-takip/id1515035024?l=tr

Run Into Space Mobile Game

• Project description: The astronaut escapes from the asteroids in space and gets the points. Written in C# with Unity.

App Store Link

https://apps.apple.com/tr/app/run-into-space/id1523099635?l=tr

Colorful Night Light Mobile App

• Project description: Colorful Night Light is helping people who are struggling to sleep with colorful animations and relaxing sounds.

Written in React Native, using Hooks.

App Store Link

https://apps.apple.com/app/colorful-night-light/id1527577360#?platform=iphone

Famous Paintings

• Project description: The project aims to offer users a different experience by blending 21st century technology with classical painting art; It contains hundreds of different paintings and frescoes. The application uses the iOS 14 Widget feature. Firebase Realtime Database has been implemented to track user behavior. Written in SwiftUI.

App Store Link

https://apps.apple.com/us/app/famous-paintings-widget-art/id1535802084#?platform=iphone

AS A FREELANCER

Textile Final Quality Control Tablet App

• Project description: Textile Factory tracks their production with this app.

Written in React Native. NodeJS-Express is the backend, SQLServer is the database.

Factory Report TV App

• Project description: React(NextJS) Web App shows the personnel based production and performance data as well as the final quality report for each line on a TV mounted above the lines. Backend is NodeJS-Express.

Factory Report Web App

- Project description: React.JS Web App shows production report of the factory with charts. Material-UI used within frontend, backend is NodeJS-Express.

Justeam Mobile App

- Project description: The purpose of the application is to enable lawyers to list the cases that they cannot attend and to agree with other lawyers.
Written in React Native.

Pair My Care Mobile App

- Project description: Developed this complex health care application from scratch. Handled all aspects of the project. Used react functional components, integrated APIs and Firebase services. Written in React Native.

FOR ZADE AGENCY

Pair My Care Mobile App

- Project description: Added new features, maintained code.

Pair My Care Web App

- Project description: Web app is developed using ReactJS and I maintained the code also I added new features as product owner requests.

FOR ME

www.erayaras.com

- Project description: Designed and developed my own website using React.
(Currently out of service.)

Collecting Sensor Data

- Project description: CO2, temperature, humidity and light sensors collecting datas on ESP8266 MCU and MCU sends them to NodeJS server running on Raspberry PI to store the datas in MariaDB then data showing on ReactJS web app and also in Apple TV app written in Swift.

SUMMARY

• Led the development of complex web and mobile applications.

• Estimated the time required to complete the task and also plan the priorities for solving problems and subtasks.

• Ensured the implementation of projects within the previously estimated time period and controlled its compliance with technical requirements.

• Estimated long term projects and planned resources for the development team.

• Maintained delivered code.