OĞUZHAN SANDI

Jr. Software Engineer / Electrical Electronic Engineer

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As an Electrical and Electronic Engineer with a strong foundation in leadership and software development, I have honed my skills through active involvement in the IEEE community. My experience in project management and development, combined with my engineering expertise, allows me to approach software development with a unique and versatile perspective. I am committed to continuous learning, driving both personal and organizational growth through my problem-solving and analytical abilities. Focused on delivering results, I strive to enhance software excellence and contribute to the success of any team I join..

EDUCATION

AKDENIZ UNIVERSITY September 2018 – June 2023

Antalya, Turkey

Electrical Electronics Engineering

PROFESSIONAL EXPERIENCE

AND International Audit and Surveillance Services Inc.

Periodic Control Engineer February 2024 – Present

Annual periodic checks of Electric Motorized Elevators were carried out.

Be Therapist Software Inc. / Izmir, Turkey

JR. Software Engineer (Part-time) August 2023 – January 2024

- Created selfweller.com website using HTML, CSS, JS, PHP.
- Data transfer was conducted from the panel using MySQL.
- React Native mobile development and project management was done.
- Text-to-speech was implemented using API with Elevenlabs.
- Application management panel responsible

Enelsa Industrial Electronics / Antalya, Turkey

Short Term Intern June 2022 – September 2022

- Embedded system software, electronic board design.
- Web interface design with HTML, CSS, JS and PHP

Atik Electric Engineering / Antalya, Turkey

Short Term Intern July 2021 – August 2021

IEEE Akdeniz Student Branch / Antalya, Turkey

Chairman June 2020 – September 2022

- Voluntarily provided Arduino training to high school students for 5 months.
- Project management was conducted for the rover team, and the rover was prepared.

PROJECT

1) gulsahdurantas.com, 2024

https://gulsahdurantas.com

- Technologies used: ASP.NET Core, SignalR, Ajax, Razor Pages, HTML, CSS, JavaScript, MSSQL
- Features: Engineered a full-stack personal blog website for a psychologist, utilizing ASP.NET Core to enhance online visibility and audience engagement.

2) Garage Door Controller and Door App, 2024

- Technologies used: Arduino, HC-05, App Inventor, motor and sensors
- Features: Designed and implemented a fully functional remote-controlled garage door solution using Arduino technology; achieved rapid response times under 2 seconds for operational commands while ensuring reliability across diverse environments..

3) Smart Home, Personel Project 2023

- Technologies used: STM32, HC06 and sensors
- Features: I implemented a project using HC06 to transmit information received via Bluetooth to the pins of STM32. The project includes features such as turning off the ringing bell, detecting motion, turning the LED on and off with a relay, and operating a PWM motor.

4) Selfweller App, 2023

https://play.google.com/store/apps/details?id=com.selfweller.app&pcampaignid=web_share

- Technologies used: Front End (React Native)
- Features: During part-time work, the requested changes were made in the front-end section. Development was done with React-Native. It is a psychology application. At the same time, mobile application panel and content management were implemented.

5) Selfweller Web, 2023

https://www.selfweller.com

- Technologies used: Front End (HTML, CSS, JS), Back End (Laravel)
- Features:
  - Designed and implemented pages like 'Forgot Password,' 'Blog,' and 'Blog Detail.'
  - Completed audio file upload functionality on the back-end.
  - Managed web panel development.
  - Audio and image files securely stored in separate tables in a MySQL database for optimized data management.

6) Smart Plug, Graduation Project 2023

- Technologies used: Arduino and Nodemcu (C++), Web Server (HTML, CSS, JS)
- Features:
  - Developed a smart plug to measure the real-time consumption of household appliances.
  - Enabled remote control and monitoring through the Nodemcu interface and web server.
  - Coded both electronic and web components.

PROJECT

Technologies Used:

- Java: Advanced
- JavaScript: Advanced
- SpringBoot: Advanced
- React: Intermediate
- React-Native: Advanced
- PHP: Intermediate
- Git: Advanced
- GitHub: Advanced
- .NET: Intermediate
- Phyton: Intermediate
- MySQL: Intermediate
- Typescript: Advanced
- Bootstrap: Advanced

Programming Resources Used For Self-Learning:

- Patika.dev
- Udemy
- Reading content about React Native on medium.com
- Documentation tracking

Languages:

- English (Intermediate)
- German (Elementary)
- Turkish (Native)