

Zehra BAL

Jr. Full Stack Web Developer



You can access my projects from the link below.

<https://zb-portfolio-weld.vercel.app/>

CONTACT

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Maltepe - İstanbul

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<https://github.com/zehraBal>

EDUCATION

Workintech

Full Stack Development Program

(6 months - 960 hours - 78 projects)

March 2024 - Oct. 2024

University of Anadolu

Computer Programming

Sept. 2021 - June 2023

University of Sakarya

Electrical & Electronics Engineering

Sept. 2017 - March 2022

LANGUAGES

English, Advanced

German, Beginner

Japanese, Beginner

CERTIFICATES

Front End Development - Workintech

Microsoft Office Programları

İstanbul İşletme Enstitüsü

Sertifika Kodu: 122331374022

JavaScript(Basic)

Hackerrank

ID: 2E1E6F84C9FF

CS50's Introduction to Computer Science

Harvard University

Hello, I'm Zehra

After completing my undergraduate education in engineering and working as an embedded software engineer for a year, I pursued a full-stack development course to follow my passion for software development. Over the past six months, I have been deeply engaged in training and working on various software projects, focusing on technologies such as React and Java. Over the past six months, I have worked on over 70 projects, which has significantly strengthened my skills in JavaScript and Object-Oriented Programming (OOP), and I am eager to apply these in a professional setting. My goal is to secure a role where I can continue to grow and eventually achieve a senior level in software development, bringing a proactive and innovative mindset to the field.

WORK EXPERIENCE

Embedded Software Engineer & Web Administrator

POLAR MARINE | Pendik

FEB 2023 – FEB 2024

Developed and installed custom embedded software for TGD devices, including firmware updates and system maintenance.

Managed and updated company websites, including CMS-based site creation and content updates.

Performed regular maintenance and updates on Linux-based servers, ensuring system stability and security.

Maintenance and Repair Trainee

SOYAK ENERJİ MIS-1 JES | Manisa NOV 2021 – DEC 2021

Conducted daily, weekly, and monthly maintenance on electrical systems.

Involved in inspecting, troubleshooting, and calibrating equipment such as transformers and control systems.

Research and Development Trainee

SOYAK ENERJİ MIS-3 JES | Manisa DEC 2021 – JAN 2022

Involved in the opening of a new well at a geothermal power plant.

Contributed to system installation and fieldwork during this R&D internship.

SKILLS

Front End: Javascript, React.js, Hooks, Context API, Redux, Axios, Yup, Jest, Cypress, HTML, CSS, Tailwind Css,

Back End: Java, OOP, Data Structures, Design Patterns, Maven, Spring Core, Spring Boot, Spring Data JPA, Spring Security, SQL, PostgreSQL, JUnit, Mockito, Git, .Net ,C#

Additional: Algorithms, Debugging, Deployment, Problem Solving, Figma, Teamwork

REFERENCES

Koray Aksakal
Assistant Manager, Polar Marine

koray.aksakal@polarmarine.com

PROJECTS

- **ECOMMERCE BACKEND PROJECT**

<https://github.com/zehraBal/Ecommerce-Challenge>

Developed an ecommerce backend using Java and Spring Boot, incorporating Spring Security for user authentication and role-based access control. Implemented comprehensive unit and integration tests to ensure system reliability. Designed a basic React frontend to handle CRUD operations, demonstrating successful API communication with the backend. The frontend's purpose was to verify proper request handling and data flow between client and server. This project demonstrates proficiency in backend development, security features, and test-driven development.

- **PIZZA CHALLENGE PROJECT**

<https://pizza-challenge-blush.vercel.app/>

This project is a single-page application (SPA). Created using React. In this project, fundamental React concepts such as routing, forms, validations, and state management are effectively utilized.

- **X MOCKUP PROJECT**

<https://x-mockup.vercel.app/>

This project is a React application that utilizes APIs to fetch user information and tweet data. It effectively manages complex state management required for these integrations. Users can view and interact with data fetched from the API. Leveraging React's robust state management capabilities, the application ensures smooth data flow and enhances user experience..

- **TO DO APP**

<https://todo-app-tau-gray.vercel.app/>

This project is a React To-Do application that utilizes Redux for state management. The application allows users to add new tasks, edit existing ones, and completely delete tasks from a to-do list. Additionally, there are three tabs to view all tasks, active tasks, or completed tasks. Redux ensures efficient state management across the application, providing a smooth user experience.

- **R&M WIKI APP**

<https://rmwiki.vercel.app/>

This project is a Rick and Morty Wiki application built with React and utilizing Redux for state management. The application provides detailed information about the show's characters, episodes, and locations. Users can explore character details, view episode lists, and learn about various locations in the series. With the implementation of pagination, users can easily navigate through extensive datasets. The application is styled using Tailwind CSS, offering a clean, responsive, and modern user interface, ensuring a seamless and engaging user experience.