

# Zehra BAL

## Jr. Full Stack Web Developer



You can access my projects from the link below.

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

### CONTACT

☎ 05300853408

✉ fz.bal00@gmail.com

📍 Maltepe, İstanbul

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

### 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

#### Full Stack Developer

Workintech  
ID: witfsweden0324-10

#### Front End Developer

Workintech  
ID: witfsweden0324-10

#### C# & ASP .NET Core MVC

C & System Programmers Association

#### JavaScript(Basic)

Hackerrank  
ID: 2E1E6F84C9FF

#### CS50's Introduction to Computer Science

Harvard University

### Hello, I'm Zehra

With a background in engineering and a year of experience as an embedded software engineer, I transitioned to software development to follow my passion. After completing a comprehensive full-stack development program, I have worked on 70+ projects over the past six months, specializing in technologies such as React, Java, and Object-Oriented Programming (OOP). These projects have strengthened my expertise in JavaScript and modern software development practices.

I aim to contribute my technical skills and proactive mindset to a dynamic development team, delivering innovative solutions and continuously advancing my career toward a senior developer role.

### 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

### 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, created CMS-based sites and performed content updates.

Ensured system stability and security by performing regular maintenance on Linux-based servers.

---

## REFERENCES

Koray Aksakal  
Assistant Manager, Polar Marine

koray.aksakal@polarmarine.com

## PROJECTS

- **E-COMMERCE BACK END PROJECT**

[GitHub](#)

- Developed a secure backend using Java and Spring Boot with role-based access control via Spring Security.
- Designed and tested APIs, ensuring seamless frontend-backend communication.
- Conducted comprehensive unit and integration testing for high reliability.

- **E-COMMERCE FRONT END PROJECT**

[Live Demo](#)

- Built a user-friendly e-commerce platform using React, Vite, and Redux for state management.
- Designed a responsive interface with Tailwind CSS and implemented features like cart management, order history, and user authentication.
- Enhanced usability with pagination and seamless form handling via React Hook Form.
- Enabled real user testing with pre-defined credentials (customer@commerce.com, password: 123456).

- **LIBRARY MANAGEMENT SYSTEM**

[GitHub](#)

- Developed a library management system using Java and Spring Boot, incorporating OOP principles.
- Implemented features such as user membership, book borrowing/purchasing, balance management, and a penalty system for overdue books.
- Focused on robust backend functionality to handle membership and book management seamlessly.

- **PIZZA PROJECT**

[Live Demo](#)

- Built a React-based single-page application (SPA) showcasing key React concepts such as routing, form validation, and state management.

- **RICK & MORTY WIKI**

[Live Demo](#)

- Built a wiki app in React, integrating pagination and state management via Redux.
- Styled with Tailwind CSS for a clean and responsive user interface.

- **TO-DO APP**

[Live Demo](#)

- Designed a task management app using React and Redux for efficient state management.
- Implemented features such as task filtering, adding, editing, and deletion.