Armin Vejzovic

SOFTWARE ENGINEER & WEB DEVELOPER

I'm a final-year student at the Faculty of Natural Sciences and Mathematics in Sarajevo, studying Information Technologies. I really enjoy learning about full-stack web development. I'm good at working with others and love learning new things all the time.

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EDUCATION

ELECTRICAL ENGINEER OF ENERGY

Electrical engineering school for energy | Sarajevo

2017-2021

PROFESSIONAL SPECIALIST IN INFORMATION TEHNOLOGIES

Faculty of Natural Sciences and Mathematics | Sarajevo

2021 - /

SKILLS

- HTML
- CSS
- JavaScript
- Python
- C++
- Java
- Node.js
- React.js
- Next.js
- FastAPI
- SQL
- Android - Kotlin
- Git
- Bootstrap
- English language
- Communication

EXPERIENCE

QUALITY ASSURANCE TESTING INTERN

Rubicon d.o.o. | Sarajevo

- Manual Testing
- Explatory Testing
- Agile and Scrum methodologies

HACKATONS AND PROJECTS ON FACULTY

Faculty of Natural Sciences and Mathematics | Sarajevo

- Developed projects in different technologies, always assuming a full-stack role.

UNESCO HACKATON "Innovate For Peace: No To Hate Speech" 2024

UNESCO | Sarajevo

EXPERIENCE THROUGH STUDY

- Built a **strong foundation in HTML, CSS and JavaScript,** enabling me to design and develop responsive, visually appealing and user-friendly web interfaces. I have experience working with modern web design practices and implementing dynamic features to enhance user interaction.

- Gained **advanced skills in SQL** through extensive work with relational databases like **PostgreSQL, MySQL and SQLite.** I have implemented efficient database schemas, optimized queries for performance and ensured data integrity in complex systems.

- Developed a **dynamic food ordering and delivery web application** named **"Foodie"** using **Next.js for the frontend, FastAPI for the backend and PostgreSQL for database management,** supporting multiple user roles with tailored functionalities for administrators, restaurant managers, delivery personnel and customers. The application includes advanced features like real-time notifications and rating system ensuring an efficient and user-friendly experience.

- Collaborated on a **sports hall booking platform** named **"Sportfix"** using **Next.js for the frontend, FastAPI for the backend and PostgreSQL for database management.** This project emphasized **team collaboration** and full-stack development practices.

- Developed a **web-based project management and work tracking system** using **Node.js for the backend, EJS for the frontend and PostgreSQL for database managment.** The application supports roles for administrators, project managers and workers, enabling efficient project tracking, task assignment and work hour logging. Key features include automated reports, email notifications, an internal messaging system and attendance tracking. This system ensures streamlined communication, accurate reporting and improved productivity for organizations.

- Developed a **portfolio website** using **React.js,** showcasing my skills, projects and achievements in a structured and interactive way.

- Gained hands-on experience with **Android development**, building an **Android application for book management** named **"Bookfix"** using **Kotlin and Jetpack Compose.** The app enables users to track their reading journey with features like book status management, wishlist creation and sharing book details. Offers an intuitive MVVM architecture for state management. Key functionalities include searching, viewing detailed book information, marking progress and seamless navigation. The app supports offline mode and direct Amazon purchase links for books.

- **Learned and applied object-oriented programming and data structures and algorithms** using **C++,** enabling me to solve complex problems efficiently.

- Developed a complete **real-time chat application** named **"HulkChat".** The **backend was built using Node.js, Express.js, Socket.IO, Redis, and JWT** for secure user authentication. The **frontend was developed using React.js.** The application supports real-time messaging, user registration and chat room management, with messages being stored in a **PostgreSQL database**. Implemented rate limiting with Redis to prevent spamming and included optional features such as private messaging, user online status, persistent chat rooms and message status tracking. Additionally, I utilized PostgreSQL to manage user data, chat rooms, room memberships and messages with a relational schema, ensuring efficient storage and retrieval of chat data.

- I developed the **2048 game** in **Java**, a sliding puzzle game where players combine numbered tiles on a grid to reach the 2048 tile. The **game was built using Java with a clear structure, separating game logic, GUI, and console interfaces.** It features tile merging, random tile generation and score tracking, while allowing players to save and load their game progress. The project uses Eclipse IDE and supports both graphical and console-based gameplay, making it a versatile application for practicing core Java concepts like object-oriented programming, data storage and event-driven programming.

- Developed **web application** named **"InfraTracker"**, a **community issue reporting system** using **Node.js for the backend, EJS for the frontend and PostgreSQL for database managment.** The system allows users to report infrastructure problems (e.g., damaged sidewalks, streetlights), track statuses and add descriptions, locations and images. Administrators can manage and categorize issues, resolve tickets and assign tasks through a dedicated panel. Features include user authentication, notifications, a map interface and statistical reporting for efficient issue management.

- **Built a solid foundation in Python**, focusing on **programming fundamentals and problem-solving techniques.**

- Worked with popular libraries and frameworks such as **Bootstrap, Material-UI and jQuery,** to create responsive and professional web designs.

- **Used Git and GitHub extensively for version control and collaborative development,** ensuring efficient code management, tracking changes and enabling seamless collaboration within teams.

This comprehensive experience has equipped me with versatile technical skills and a deep understanding of both frontend and backend development, version control and software engineering principles, making me confident in tackling diverse technical challenges.