

# ADIN DOZO

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## EXPERIENCE

### Full Stack software engineer

April 2023 – Present

Wirth & Horn Informationssysteme GmbH | SCode d.o.o

- Developed and optimized complex web architectures using **React** (with and without **TypeScript**) and centralized state management (**Redux**), enhancing performance and scalability.
- Implemented advanced **SEO** strategies, including Open Graph, structured data, rich search results JSON-LD, and meta tags, to enhance website visibility and ranking. Utilized Meta SEO Inspector and Google Search Console.
- Proficient in **CSS** and front-end development: Developed advanced layouts and animations using **Tailwind** and **Bootstrap**, maintaining high visual fidelity to design mocks.
- Utilized **custom CMS** to meet unique non-standard requirements, optimizing performance with both **SQL** (MySQL, MariaDB) and **NoSQL** (MongoDB, DocumentDB) databases for same data. Wrote complex queries and aggregate pipelines.
- Developed eCommerce websites using external **search APIs** like **Elasticsearch** and **Solr**. Utilized **Cloudinary** for images.
- Developed backend systems using **PHP** and **ColdFusion**, worked with **WordPress**, Avada theme, and various **WP plugins**, utilized version control with **Git** and **SVN**, performed file transfers via **FTP** and **FileZilla**, made automated mail system.
- Managed server security: Configured **Apache** and **Nginx** servers, implemented security optimizations, set up CORS, CSP, and other HTTP headers, wrote redirects from CSV files, and ensured compliance with security protocols.
- Utilized **Docker** for containerization: Wrote Docker Compose files and managed containers on DigitalOcean for streamlined development and deployment processes.
- Experienced in **asynchronous programming** and **web sockets**: Developed **real-time** features and ensured efficient communication within web applications.
- Utilized **Next.js** for server-side rendering, image preloading, lazy loading, server scaling and advanced caching techniques. Integrated **Keycloak** for user authentication.
- Created and tested **CRUD REST API** endpoints for security vulnerabilities using insomnia.rest and postman.
- Maintained professional written and verbal communication, collaborating effectively in daily **scrum** meetings, peer evaluations, feedback sessions, and design reviews, utilizing **Jira**, **Redmine**, Slack, Teams, MS Office and **agile** methodologies to ensure clear and concise information exchange. Completed work within self-provided estimates.

### Private coding instructor

2022 – 2023 – On demand

Self-employed

- Conducted one-on-one tutoring sessions on Data Structures and Algorithms (**DSA**) and Object-Oriented Programming (**OOP**) concepts.
- Assisted students in improving their understanding and application of core programming concepts.

## PROJECTS

### Comms - meeting platform with live Q&A support - GITHUB - DEMO

Nov 2022 – Feb 2023

Node.js / Express / EJS / PostgreSQL(ElephantSQL DBaaS) / Socket.IO / VanillaJS Frontend

- Developed full-stack web application for meetings and events with support for live interactions and chat (**web sockets** through Socket.IO).
- Used **EJS** template view engine to perform server-side rendering and display unique data for every user.
- Implemented secure HTTP state management (**login system**) using **JWT** tokens stored in cookies and Express middleware functions, ensured password security by **hashing** passwords.
- Wrote secure RESTful APIs with Node.js which queried a database and returned either JSON or HTTP status codes.
- Enhanced platform with CSS animations, responsive design, Unix timestamp tracking, drag & drop file uploading, **SMTP** email integration, and thorough commit history.

## EDUCATION

### Faculty of Mathematics and Natural Sciences PMF

Sarajevo, BA

Bachelor of Computer Science