

Alen Mandić

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Summary

Versatile web developer with a diverse skill set in JavaScript, React, Node.js, and both relational/non-relational databases. Demonstrated proficiency through personal projects showcasing strengths in responsive design, front-end development, and server-side programming in NodeJS, as well as database implementations (PostgreSQL, MongoDB), real-time communication (WebSockets), and comprehensive testing. Adept in CI/CD systems and version control (Git/GitHub Actions). Accredited by the University of Helsinki's 'Full-stack open' program.

Technical Skills

Programming Languages:	JavaScript/TypeScript, HTML, CSS
Libraries & Frameworks:	React, NodeJS, Express, Material-UI, Cypress.io, Socket.IO, Playwright
Tools:	Git, Mongoose, ESLint, Webpack, Jest, NPM, CI/CD (GitHub Actions)
Databases:	MongoDB, PostgreSQL, SQLite, MySQL

Soft skills

English - Full professional proficiency, Problem solving, Active learner, Excellent communication

Projects

[SnapBlog – Blog sharing app](#) | JavaScript/React, NodeJS, Express, MongoDB, Mongoose, bcrypt, JSON web token

Developed the back-end for a blog posting social media website using REST api standards.

- Designed systems for liking and commenting on blog-posts
- Implemented full user authentication and protected routes using bcrypt and JSON web token
- Custom middleware's for handling and validating JSON web tokens, as well as services for client-server communication using Axios
- Developed my own Asynchronous state management using React custom hooks
- Testing: End-to-end testing has been implemented using Cypress.io
- Integration testing has been implemented using JEST and Supertest
- Designed my own CI/CD deployment pipeline workflows using Github Actions

[QuickRoom chat](#) | JavaScript, NodeJS, Express, WebSockets, Socket.IO, SQLite, SQL

A real-time chat application with users and different rooms/channels.

- Implemented a modal displaying other online users
- Designed a notification system for user actions such as joining / disconnecting
- Persisting data and messages across channels using an SQLite database and SQL queries

EDUCATION

Srednja Škola Jure Kaštelan, Omiš | Sep 2013 - Jun 2017

Electrical Engineering Technician diploma

Full-stack Open course / computer science curriculum, University of Helsinki | Nov 2022-Dec 2023

Core Full-stack web development course completed, earned 6 ECTS university credits, passing with a grade of 4

[LINK TO CERTIFICATE](#)