

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. Accredited by the University of Helsinki's 'Full-stack open' computer science program.

Work experience

Electrician - Jerončić d.o.o | Omiš Sep 2017-May 2018

Installation of electrical systems in residential properties, maintenance of existing electrical systems.

Woodworking/carpentry - Brnistra d.o.o | Omiš July 2018 - August 2024

Performed various carpentry workshop tasks, as well as field work installing doors, frames, or any type of custom items.

Worked on different woodworking machinery, and was responsible for the maintenance of the machinery.

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, Teamwork

Projects

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

Developed 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
- Integration and end-to-end testing has been implemented using JEST and Supertest, Cypress.io
- 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 - March 2024

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

[LINK TO CERTIFICATE](#)