

Alen Mandić

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Summary

Junior web developer with skills in responsive/accessible design, full-stack web development, and testing/debugging. Demonstrated problem-solving abilities and creative thinking while developing various projects. Keen on learning new technologies and frameworks to further enhance my web development expertise. Maintained and deployed personal full-stack web applications using different services.

Technical Skills

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

Projects

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

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

- Designed full systems for liking and commenting on blog posts alongside other features
- Implemented full user authentication and protected routes using bcrypt and JSON web token
- Security: App has been additionally secured with a rate limiter 'express-rate-limiter' and the 'helmet' package, for increased security and protection against many kinds of attacks, including XSS script injections
- Testing: end-to-end testing has been done using Cypress.io
- Integration testing has been implemented using JEST and Supertest

[SnapBlog – Frontend](#) | JavaScript, React, React-Router, Axios, Material-UI

Developed the front-end user interface for my blog-sharing website.

- Users can create accounts, log in securely, and post, like and comment on blog posts
- Used Axios to handle services and communication with my back-end repository
- Developed a full pagination system and a sorting menu for the 'Front Page' route
- Implemented end-to-end testing using Cypress.io

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

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

- Developed using the Socket.IO WebSocket library
- Implemented a modal displaying other online users
- Designed a notification system for user actions such as joining / disconnecting
- Persisting data and messages using an SQLite database and SQL queries

Find many other projects and work on my [GitHub](#) / [Portfolio](#)

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 5 ECTS university credits, passing with a grade of 4

[LINK TO CERTIFICATE](#)