

# Alen Mandić

[alenmandic1@gmail.com](mailto:alenmandic1@gmail.com) | <https://alenmandic.pages.dev/> | [GitHub](#) | [LinkedIn](#)

## Summary

Versatile web developer with a diverse skill set in JavaScript, React, TypeScript, Node.js, and both relational/non-relational databases. Demonstrated proficiency through personal projects like a social media platform and chat applications, showcasing strengths in responsive design, front-end development, and server-side programming, as well as authentication, database implementations (PostgreSQL, MongoDB), real-time communication (WebSockets), and comprehensive testing. Adept in CI/CD systems and version control (Git/GitHub). Accredited by the University of Helsinki's 'Full-stack open' program. Eager to contribute and grow within a forward-thinking team.

## Technical Skills

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

## Soft skills

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

## Projects

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[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 full systems for liking and commenting on blog posts
- Implemented full user authentication and protected routes using bcrypt and JSON web token
- 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 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 using an SQLite database and SQL queries

## EDUCATION

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**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](#)