

# 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. Experienced in maintaining and deploying web applications using different services.

## 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
<b>Tools:</b>	Git, MongoDB, Mongoose, PostgreSQL, SQLite, ESLint, Vite, Jest, NPM

## Projects

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[Full-Stack Blog-App Backend](#) | JavaScript, NodeJS, Express, MongoDB, Mongoose, bcrypt, JSON web token, REST api

Developed a back-end repository for my blog application 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

[Full-Stack Blog-App Frontend](#) | JavaScript, React, React-Router, Axios, Material-UI

Developed a social media app for sharing and exploring blog posts.

- Frontend repository for my fullstack blog app using React.js for a robust and performant user interface
- 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
- Designed the website with relevant pages to enable link sharing for a better user experience using React-Router
- Implemented end-to-end testing using Cypress.io

[Weather Application](#) | HTML, CSS, JavaScript, Serverless functions

Detailed weather application showing weather data, air quality data, and general information

- Implemented Netlify's serverless functions to handle back-end functionalities
- Developed a live search bar dropdown menu using debounced fetching and type detection
- Set any city/location as your default homepage for a better user experience
- GPS button which gets your current device location and displays data based on the location
- Designed a smart app refresh system using recursion and inactivity checking

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

## 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 5 ECTS university credits, passing with a grade of 4

[LINK TO CERTIFICATE](#)