

# Alen Mandić

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## Summary

Junior Web Developer experienced in responsive design, full-stack web development, and testing/debugging. I possess problem-solving abilities, and creative thinking while being a strong team player. Committed to staying up-to-date with the latest web development trends. Deployed and maintained multiple projects to the web using different services.

## Technical Skills

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**Programming Languages:** JavaScript/TypeScript, HTML, CSS  
**Libraries & Frameworks:** React, NodeJS, Express, Material-UI, Cypress.io  
**Tools:** Git, MongoDB, Mongoose, PostgreSQL, 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 backend repository for my blog application using REST api standards

- Designed using modern folder-structure best practices for easy scalability and readability
- 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 or like blog posts
- Used Axios to handle services and communication with our server
- 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 backend 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](#)