

Alen Mandić

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Summary

Junior Web Developer experienced in responsive design, full-stack 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

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

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

Developed a backend repository for my blog application using REST-ful api best practices.

- Designed using folder-structure best practices for easy scalability and readability.
- Implemented full user authentication and protected routes using bcrypt and JSON web token.
- 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, and integration testing has been implemented using JEST and supertest.

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

Created an app for sharing and exploring blogs. Users can create accounts, like posts and find interesting blogs!

- Frontend repository for my fullstack blog app, made using React.js for a robust and performant user interface.
- 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
- Vite's 'npm run build' command was used to create a production ready minified version of our frontend code.

[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 weather data for it
- Designed a smart app refresh system using recursion and inactivity checking.

Many other projects and work are on my [GitHub](#) / [Portfolio websites](#) linked above 

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 Fullstack web development course completed and earned 5 ECTS university credits, passing with a grade of 4.

[LINK TO CERTIFICATE](#)