

Jan Sernec

Software Engineer

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About

I've been drawn to programming since my first encounter with Visual Basic at the end of primary school. What started as curiosity quickly turned into a lasting passion.

Today, I focus on building clean, accessible, and intuitive web interfaces. Frontend development naturally stuck with me — I enjoy the immediate feedback and the ability to bring ideas to life in a tangible way.

I completed my undergraduate studies at the Faculty of Electrical Engineering, Computer Science, and Informatics (FERI) in Maribor in 2023, and continued my education at the master's level, graduating in December 2025.

I have a strong product-oriented mindset — I'm constantly thinking about new ideas, exploring possibilities, and figuring out what to build next.

Experience

02/2024 – Present

Ljubljana/remote

Software Engineer

Abelium

Frontend engineer on blockchain platforms. Wallet connectivity, smart contract interactions. TypeScript, React, Angular, Java Spring.

08/2023 – 12/2023

Maribor

Software Engineer

Blocksi

Developed features for the Blocksi platform and website. Vue.js, Kibana, Elasticsearch, MongoDB, PHP

11/2022 – 06/2023

Maribor/remote

Software Engineer

Remea

Built new features for the company website and EV charging application. Improved UX and backend integrations. Vue.js, Firebase, Docker

04/2022 – 05/2023

Maribor

Frontend Developer

Iskratel (Kontron)

Built a PWA platform with React and MUI. Implemented WebSockets and JWT authentication. Created a React Native cross-platform prototype. React, MUI, WebSockets, React Native, JWT

Education

2023 – 2025

University of Maribor

MSc Information & Communication Technologies

FERI

Focus on agentic AI and large language models. Thesis: Explaining AI decisions through conversations with large language models.

2020 – 2023

University of Maribor

BSc Computer Science

FERI

Focus on software development.

Skills

Languages

TypeScript, Python, Java, Kotlin, C++, Bash

Backend & Data

Express, Java Spring, PostgreSQL, MongoDB, MySQL

Infra & Tools

Docker, GitHub Actions, DVC, Firebase, Figma

Frontend

React, Angular, Vue.js, HTML, CSS

ML & AI

PyTorch, MLflow, LLMs, SHAP, scikit-learn

Languages

Slovene

native

English

C1

German

learning

Projects

2024

Strava Prediction

github.com/JanHuntersi/strava_prediction

Solo project ML pipeline predicting athlete activity patterns — activity likelihood and kudos count. Automated training, evaluation, and daily predictions. Python, PyTorch, MLflow, DVC, Docker, GitHub Actions

2024

XAI GPT SHAP

github.com/JanHuntersi/xai_gpt_shap

Solo project Python library combining SHAP analysis with GPT to generate natural-language explanations of ML predictions, tailored for different audiences (beginner → researcher). Python, SHAP, OpenAI, scikit-learn

2023

flat-scraper

github.com/JanHuntersi/flat-scraper

Solo project Full-stack real estate scraper. Fetches ~500 listings from Sreality.cz, stores in PostgreSQL, serves via React frontend — fully containerized. TypeScript, React, Express, PostgreSQL, Docker

Misc

References

Available upon request