

TIMOTEJ KOŠIR

SOFTWARE DEVELOPER



CONTACT

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Skofja Loka, Slovenia

STACK

- JavaScript / TypeScript
- Python
- Java
- C
- C++
- CUDA
- HTML / CSS
- Git
- SQL
- Bash
- R
- MATLAB

LANGUAGES

- Slovenian (Fluent)
- English (Fluent)
- German (Intermediate)
- Croatian/Bosnian (Intermediate)
- Latin (Basic)



PROFILE

I enjoy programming and solving challenging problems. Through my studies and personal projects, I have gained experience in advanced areas of computer science such as artificial intelligence, multithreading, and GPU programming. I have also set up and maintained my own Linux server, which has given me practical skills in system administration and application deployment.

I am looking for a career that motivates me every day and offers constant opportunities to learn. Over the past three years, I have worked as a full-stack developer on a variety of web projects, ranging from prototypes to production-ready solutions. The most notable project I contributed to was SPIRIT Slovenia, national agency for business development.



WORK EXPERIENCE

Sunesis d.o.o. 2022 - 2022
Frontend developer

- Plinovodi: Mobile-first Angular PWA for internal employee use in gas distribution operations.
- Sunesis: Landing website using React.

Shape Labs 2023 - 2023
Backend developer

- Griper: Node.js backend for a social network application built with Express, Sequelize and PostgreSQL.
- TypeScript authentication library using Passport.js, supporting JWT, Google OAuth, Facebook, and Twitter (X) login integrations.
- Automatic request validation built with AJV and defined through schemas.

Abelium d.o.o. 2022 - 2025
Fullstack developer

- FLARE Token: Blockchain data analysis in Python (Pandas) with a FastAPI backend. Development of Next.js and React applications for exploring blockchain transactions, inspecting smart contracts, and more. integration of Web3 and WalletConnect for wallet connectivity.
- SPIRIT Slovenia: Team member in the development of a Java backend system (Spring Boot, Hibernate, MySQL, Jenkins), an internal information system built with Vaadin, and an Angular portal used daily by hundreds of business owners.

REFERENCE

Aleš Por

Abelium / HR

Email : ales.por@abelium.com

Žiga Kerec

Shape Labs / CTO

Email : ziga.kerec@shape-labs.com

- EWC: Angular application for ordering mobile electric stations with Node.js backend using TSOA, TypeORM and MySQL.
- Di-Gozd: Platform offering digital forest inventory and management tools, built with an Angular frontend and a Node.js backend (TypeORM, TSOA, MySQL).
- Oversaw application security, including Ubuntu server setup, Docker configuration and NGINX settings.

Personal Projects

2022 - Present

Fullstack developer

- Developed and deployed complete web solutions that included design, an Angular frontend and a Node.js/Express backend with Sequelize and PostgreSQL.
- Set up an Ubuntu Server from scratch, including configuration, SSL certificates, and reverse proxies using Apache and NGINX.
- Manage a self-hosted Gitea instance, a version-control platform with CI/CD pipelines, and use Docker for containerized deployments.
- Created a tool that generates typed request services from backend code using the TypeScript compiler API.
- Fine-tuned a HuggingFace model to generate story endings from short story inputs, guided by an emotion token (e.g., happy, sad).
- Built a knowledge graph of Siemens' partners for a Data Science competition by scraping websites and extracting partner entities using HuggingFace transformer model.



EDUCATION

2018 - 2022

Bachelor of Engineering in Computer Science and Informatics

Faculty of Computer and Information Science | Ljubljana

2022 - 2025

Master of Engineering in Computer Science and Informatics

Faculty of Computer and Information Science | Ljubljana