# Luka Taras KOROŠEC

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## PROFESSIONAL SUMMARY

Full-stack engineer with 10 years building production systems across frontend, backend, and infrastructure. Currently integrating Large Language Models and Generative AI to build intelligent, customer-facing applications. After three years leading engineering teams, returned to hands-on development to focus on architecting scalable systems and shipping reliable software. Strong background in automation and cross-functional collaboration with proven ability to work autonomously from concept to deployment.

## WORK EXPERIENCE

**Full-stack Software Engineer**  — Nov 2024 — Present
3FS Nordic SI, d.o.o.  — *Kranj, Slovenia*

- Built AI-powered chat application leveraging OpenAI GPT and Gemini LLMs to help non-technical users analyze complex data, reducing manual data exploration time by 80%
- Architected and deployed Golang-based RESTful API for IoT data ingestion with webhook-driven real-time notifications
- Prototyped AI-powered document processing system using prompt engineering and Generative AI to extract structured data from medical record scans, reducing data entry time from hours to minutes

**Engineering Manager**  — Feb 2022 — Nov 2024
3FS Nordic SI, d.o.o.  — *Kranj, Slovenia*

- Led cross-functional development team of 6 - 10 engineers conducting monthly 1:1s, mentoring 3 engineers to promotion
- Improved sprint velocity by 60% through task breakdown optimization and process refinement
- Increased developer productivity by 20% by optimizing GitLab CI/CD pipelines and reducing build duration
- Maintained hands-on infrastructure work: Docker orchestration, deployment automation, and production incident response

**Frontend Software Engineer**  — May 2018 — Feb 2022
3FS Nordic SI, d.o.o.  — *Kranj, Slovenia*

- Built complex features for single-page applications serving telecommunications and on-premises enterprise customers
- Implemented comprehensive testing strategy using Jest and Cypress achieving over 90% code coverage

**Software Engineer**  — Sep 2015 — Sep 2017
Computel d.o.o.  — *Ljubljana, Slovenia*

- Developed mission-critical software for Emergency Services dispatch (112) as one of two core developers
- Built offline mapping system using OpenStreetMap data for network redundancy during external failures

## SKILLS

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|---|---|
| **Programming Languages** | JavaScript, TypeScript, Golang, Python, SQL |
| **Frontend & APIs** | React, HTML/CSS, Node.js, FastAPI, RESTful APIs, Webhooks |
| **AI/ML** | Local and cloud inference APIs, Prompt and Context Engineering, RAG |
| **Infrastructure** | Docker, GitLab CI/CD, PostgreSQL, NixOS, Amazon Web Services |

## PROJECTS

**NixOS Homelab Infrastructure** (luka.korosec.cc)  — 2020 — Present

- Maintain production NixOS homelab with 35+ self-hosted services (NextCloud, Forgejo, Plex, Ollama, ...) managed through custom Nix modules with SSO, monitoring and alerting, automated backups, and zero-downtime deployments

## EDUCATION & CERTIFICATIONS

3FS Nordic SI, d.o.o. **AWS Certified Solutions Architect – Associate**  — 2025

**Bachelor's Degree, Pedagogics of Mathematics and Computer Science**
University of Ljubljana, Faculty of Education  — 2011 — 2016