

# Žiga Kokelj *Software Engineer*

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## Summary

Senior software engineer with 7 years of experience building mission-critical systems across the full blockchain stack — from L1 node software and crypto exchanges to mobile wallets and L2 infrastructure. I hold a Master's degree in Computer Science from the University of Ljubljana, where my thesis focused on comparing tainting analysis methods in the Bitcoin network. I was also a recipient of the Zois Scholarship, a national merit-based award for outstanding academic achievement in Slovenia.

For nearly three years, I was a core contributor to Ten Protocol, an Ethereum L2 leveraging confidential computing with Intel SGX to enable encrypted transactions and private smart contracts. My work spanned enclave development in Go, Kubernetes orchestration on Azure, security hardening, monitoring infrastructure, and disaster recovery — operating at the intersection of blockchain, distributed systems, and trusted execution environments. Beyond Go, I bring production experience in Solidity, TypeScript, C++, and Python, along with solid DevOps capabilities across cloud and on-prem environments.

I'm always looking for challenging problems in blockchain infrastructure, L2 scaling, and confidential computing. Outside of work, I stay active through running, hiking, and skiing, and unwind with a good movie.

## Experience

### Blockchain Engineer

*Obscuro Labs*

04/2023 – 03/2026

London, England

(Remote)

Worked on TEN, an Ethereum L2 using Intel SGX confidential computing for encrypted transactions and private smart contracts. Led development of TEN Gateway — the primary entry point for users and dApps to interact with the network. Built and maintained the majority of the Gateway codebase in Go, owning it end-to-end from design to production. Also contributed across the broader codebase through PRs and code reviews.

**Tech:** Go, Intel SGX, Azure, Solidity, TypeScript

### Blockchain Engineer

*Bitpanda*

06/2022 – 05/2023

Vienna, Austria

(Remote)

Developed and maintained scalable software for reading from and writing to various blockchains. Managed and configured blockchain nodes, and contributed to a range of other blockchain infrastructure and software development tasks.

**Tech:** Python, AWS, various blockchains

### Software Developer

*nChain Slovenia*

08/2019 – 06/2022

Ljubljana

Worked on bitcoin node software (fork), implementing new features, writing unit and functional tests, and debugging. Also developed an API for a mobile wallet supporting Bitcoin, Ethereum, and ERC20 tokens.

**Tech:** C++, Python, Java

## Software Developer

*Geotocka*

Developed internal software solutions for a land surveying company, automating manual processes and improving data accuracy and workflow efficiency.

**Tech:** Python, PHP, various databases

01/2018 – 09/2019

Ljubljana

## Software Developer

*XLAB*

Internship

03/2017 – 01/2018

Ljubljana

## Education

### Masters, Computer Science

*University of Ljubljana, Faculty of Computer and Information Science*

2018 – 2021

### Bachelor's degree, Computer Science

*University of Ljubljana, Faculty of Computer and Information Science*

Grade: 9.2/10

2014 – 2018

## Top Skills

- Go
- C++
- Microsoft Azure
- Blockchain
- Generative AI
- Python
- Confidential computing
- Solidity
- AI/ML
- Databases (PostgreSQL, CosmosDB, MongoDB, ...)

## Languages

### English

Professional

### German

Elementary

### Slovenian

Native