Nikola Mlinaric

Software Engineer

Personal Info

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Education

Bachelor's degree in Information Technology
University of Applied Sciences
Velika Gorica
2016 - 2019

Skills

Programming Languages:

• JavaScript/TypeScript

• Solidity

• Go

• SQL

Databases:

• Postgres, MySql, MongoDB

Frameworks & Tools:

• Express, Fastify, Truffle, Hardhat Viem, Git, Docker, Grafana, Prometheus, GitHub Actions

SUMMARY

Software Engineer with 5+ years of experience building and maintaining production blockchain systems. Hands-on background in cross-chain interoperability, backend services, and smart contract development. Proven ability to deliver functional, secure infrastructure for DeFi protocols and decentralized applications in fast-paced environments

PROFESSIONAL EXPERIENCE

Software engineer, Sprinter, Zagreb - remote

February 2025 - November 2025

- Developed and optimized blockchain solvers in Go integrating protocols like Across and Aave, which improved solved volume by ~4x and solver profitability by ~2.5x

- Built a Node.js/TypeScript backend and indexer using Subsquid to track user staking positions and credit allocation for Sprinter Stash

- Technologies: Go, TypeScript, Node.js, Fastify, Postgres, Docker, Grafana, Ethereum, smart contracts, GH Actions

Software engineer, ChainSafe, Zagreb - hybrid

September 2021 - February 2025

- Developed ChainBridge core, a modular multi-directional blockchain bridging solution which enables secure asset transfers between EVM networks

- Upgraded and maintained the Sygma smart contracts, adapting the original Chain Bridge contracts to support new generic message-passing features and updated security requirements

- Deployed Sygma to 10+ EVM networks, securing over $200M in TVL and processing $100M+ in volume by ensuring reliable contract operations across all supported chains

- supported the team's infrastructure needs by building and maintaining several backend services and indexers, ensuring reliable data availability for off-chain applications

- Technologies: TypeScript/JavaScript, Fastify, Solidity, Ethereum, Truffle, Hardhat, smart contracts, GH Actions

Software engineer, Node Factory, Zagreb - on site

January 2020 - September 2021

- Contributed to the R&D and development of various backend services and dApps, including:
    - **Challengly** - developed backend for a P2P decentralized gaming platform, implementing logic for anonymous matchmaking and instant crypto staking
    - [Hactar](#) - built the backend for a Filecoin miner monitoring tool, aggregating on-chain metrics to track miner uptime and rewards
    - [Swap.kiwi](#) - developed smart contracts for trustless P2P NFT trading dApp , implementing atomic escrow logic that allowed users to swap assets securely without a centralized marketplace
    - **Postereum** - developed the smart contracts and API for the national NFT project of crypto stamps, supporting high-traffic launches that connected physical stamps to the Ethereum blockchain
- Technologies: TypeScript/JavaScript, Node.js, Express, Fastify, Solidity, Postgres, Docker, Grafana, Prometheus, Ethereum, Truffle, Hardhat, GH Actions

Web developer, Megatrend Poslovna Rješenja, Zagreb - on site

February 2019 - January 2020

- Developed the web application Madibu Analytica, implementing the frontend dashboards, backend APIs, and database schema to to provide supply chain analytics and data visualization
- Technologies: Angular 6, Node.js, Express, Postgres, MongoDB