

URBAN VIDOVIČ

Research & Development Engineer · Maribor, Slovenia

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Software engineer focused on decentralized identity, verifiable credentials, and Web3 product engineering, with a security-minded approach to systems and infrastructure. COO & co-founder of Lutra Labs and Research & Development Engineer at Blockchain Lab:UM, where I build standards-based identity platforms, DeFi protocols, and developer tooling end to end – from smart contracts and backends to dashboards and native apps.

EXPERIENCE

COO & Co-Founder · Lutra Labs Oct 2024 – Present · 1 yr 9 mos

- Co-founded Lutra Labs and lead operations alongside hands-on engineering across the product stack.
- Ship products end to end: LutraID (OID4VCI / mDoc digital identity), Swaylend (lending protocol on Fuel, written in Sway), Replicant Network, and endorse.fun.
- Own delivery from smart contracts and Rust/Node backends to Next.js dashboards and internal tooling.

Research & Development Engineer · Blockchain Lab:UM May 2021 – Present · 5 yrs 2 mos

- Build decentralized identity and verifiable credential systems aligned with the latest W3C standards (EduCTX, Masca MetaMask Snap).
- Design and ship EVM smart contracts, Web3 infrastructure, and backends, plus the web and Moodle integrations on top of them.
- Drive applied R&D across identity, credentials, and security from prototype to production.

Full Stack Engineer · Blocksia SaS Oct 2020 – Apr 2021 · 7 mos

- C++ Windows service blocking DNS requests at the kernel level.
- Node.js backend (HTTP API + sockets) for a teacher dashboard: screen sharing, remote tab control, site allow/block lists.
- React, Vue, and Python Flask frontends, plus a Flutter (iOS/Android) app for managing students and network access.

Backend Engineer · H-Bit d.o.o. (NiceHash) Aug 2019 – Sep 2020 · 1 yr 2 mos

- C/C++ backends for mining pools, rig communication, and pool/algorithm validators.
- iOS app for managing mining rigs, exchange, and the hashpower marketplace.

IT Technician · Simtel d.o.o. Nov 2018 – Jan 2019 · 3 mos

- Managed and installed internet and television hardware.

SELECTED PROJECTS

[LutraID](#) – Lutra Labs. Compliant platform for issuing and verifying digital documents (OID4VCI, mDoc).

[Swaylend](#) – Lutra Labs. The leading lending protocol on Fuel Network, written in Sway.

[Masca](#) – Blockchain Lab:UM. MetaMask Snap bringing decentralized identity (DIDs, VCs) to the wallet.

[Replicant Network](#) – Lutra Labs. Decentralized platform for AI model crowdfunding, development, and deployment.

[endorse.fun](#) – Lutra Labs. Endorse creators and builders onchain via ENS, Farcaster, or Lens.

[EduCTX](#) – Blockchain Lab:UM. Issue and receive educational verifiable credentials on W3C standards.

polycat – Personal. Cross-platform Kalshi ↔ Polymarket arbitrage bot with a Rust runtime and TUI.

[Tossinger](#) – Personal. Native iOS/macOS app to quickly save content into a personal collection.

EDUCATION

Master of Science in Computer Science · Faculty of Electrical Engineering and Computer Science, University of Maribor Oct 2020 – 2023

Bachelor of Science in Computer Science · Faculty of Electrical Engineering and Computer Science, University of Maribor Oct 2017 – Sep 2020

High school graduate · Prva Gimnazija Maribor Sep 2013 – May 2017

SKILLS

Languages & runtimes: TypeScript / Node.js, Rust, Solidity / Sway, Swift, C / C++, Go, Python

Frameworks & tools: Next.js / React, Vue, Flutter, Foundry / Hardhat, Git

Domains: Decentralized identity, Verifiable credentials, DeFi, Web3 infrastructure, Security, Native iOS / macOS

LANGUAGES

Slovene (Native) · English (Advanced / C2) · German (Intermediate / B1)