

ALEX NOVAK

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WORK EXPERIENCE

Lead Blockchain Engineer

Jan 2024 – Present

Polygon Labs (Remote)

- Design Layer 2 scaling solutions processing 1M+ transactions per second (Rust, Solidity, Go)
- Lead protocol development team of 12 engineers building zkEVM infrastructure

Senior Smart Contract Developer

May 2022 - Dec 2023

Aave (Remote)

- Developed DeFi lending protocols managing \$8B+ in total value locked (Solidity, Hardhat)
- Conducted security audits and formal verification of smart contracts

Blockchain Developer

Sep 2020 - Apr 2022

Chainlink (Remote)

- Built decentralized oracle networks connecting smart contracts to real-world data (Go, Solidity)
- Implemented cross-chain interoperability protocols

Software Engineer

Jan 2019 - Aug 2020

Ethereum Foundation (Remote)

- Contributed to Ethereum core client development (Go, Python)
- Researched and implemented EIPs for network upgrades

Full Stack Developer

Jun 2016 - Dec 2018

Avast (Prague, CZE)

- Built web applications for security software products (JavaScript, Node.js, React)

TECHNICAL SKILLS

Languages: Solidity, Rust, Go, TypeScript, Python, AssemblyScript

Blockchain: Ethereum, Polygon, Cosmos, Substrate, Web3.js, ethers.js

Tools: Hardhat, Foundry, Truffle, The Graph, IPFS

Core Strengths: Smart Contract Development, DeFi, Cryptography

EDUCATION

Charles University (Prague, CZE)

Jun 2016

Master of Science (M.Sc.), Computer Science - Cryptography

Thesis: Zero-Knowledge Proofs in Blockchain Systems

ADDITIONAL SKILLS & INTERESTS

- **Skills:** Protocol Design, Security Auditing, Tokenomics
- **Interests:** Cryptocurrency, Philosophy, Techno Music, Disco Elysium, Mr. Robot