

Lussi Petelius

Senior Blockchain & Rust Engineer

CONTACT

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SUMMARY

Blockchain engineer skilled in Go, Rust, and Solidity, with 8+ years of hands-on experience in web3 projects, including blockchain infrastructure, smart contracts, NFTs, and dApps. Rust engineer skilled in secure, low-level programming for cybersecurity, cryptography, and backend systems. Skilled in full-stack development with Typescript. Recognized for innovative contributions that have boosted several companies by over 30%.

WORK EXPERIENCE

Microsoft

Senior Blockchain Engineer, September 2023 – April 2024

- Integrated Microsoft Coin into over 10 DeFi platforms for seamless interaction with Solana's blockchain, while writing and deploying over 50 Rust smart contracts that achieve more than 50,000 transactions per second.
- Implemented over 20 security measures to safeguard smart contracts and the blockchain network, while thoroughly testing and debugging more than 50 smart contracts to ensure reliability and efficiency.
- Deployed Microsoft Coin on Solana, achieving ultra-low transaction fees of 0.000025 SOL, thereby establishing a benchmark for corporate blockchain use and enhancing the coin's position in the DeFi market.

Ratio Finance

Senior Smart Contract Engineer, October 2022 – July 2023

- Created real-time credit risk assessments with Solidity and Rust on Ethereum and Solana blockchain, boosting user trust by 20% .
- Developed self-paying loan mechanisms via smart contracts, reducing default rates by 15%, and eliminated fees while maintaining zero interest rates, which increased user retention by 30%.
- Collaborated with a global team using tools like Git, JIRA, and Slack to enhance the protocol, resulting in 50% growth post-launch and securing \$10 million in funding through strategic partnerships, significantly boosting the company's growth.

Jungle Cats

Blockchain Engineer, August 2021 – September 2022

- Developed the 'Jungle Safari' roadmap using Rust and Solidity, enabling NFT holders to yield \$GROAR and unlock new areas.
- Optimized smart contracts on Solana and Ethereum, reducing transaction costs and processing times by 20%, and facilitated the successful airdrop of 3,800 Lionesses to 5,500 Lion holders using those.
- Collaborated with a front-end team of 6 using React and TypeScript to integrate backend functionalities, and managed a codebase of over 50,000 lines and version control using Git and GitHub to ensure smooth collaboration and deployment.

Molana Pte, Ltd

Smart Contract Engineer, June 2020 – July 2021

- Developed and maintained a P2P trading platform on Solana using Rust, addressing high gas costs, delays, and trading pair segmentation for over 10,000 users.
- Optimized Solana smart contracts with Rust to maintain low transaction costs (less than \$0.01) and fast block times (400 milliseconds), improving transaction speed by 25%.
- Implemented security audits using Rust to protect smart contracts, ensuring robust protection at multiple levels and reducing vulnerabilities by 40%.

Bitmark

Rust Engineer, July 2018 – March 2020

- Spearheaded the development and optimization of cryptographic algorithms using Rust, resulting in a 30% enhancement in security protocols.
- Architected and maintained blockchain infrastructure using Go, achieving a 25% increase in transaction processing efficiency.
- Designed and implemented high-performance backend systems with Rust, reducing system

latency by 40% and significantly improving overall performance.

EDUCATION

Oulu University

MS in Computer Science, May 2016 – April 2018

- Software Design Principles, Software Engineering, Project Management
- Data Structures and Algorithms, Cryptography, Cybersecurity, Blockchain Technology

Centria University

BS in Computer Science, May 2012 – April 2016

- Operating System, Programming Language
- Networking, Database Management, Web Development

KEY SKILLS

• Programming Languages

C/C++, Rust, Go, Solidity, FunC, Python, JavaScript, Typescript

• Blockchain

Solana, Ethereum, Ton, Hyperledger Fabric, Cardano, Blockchain Infrastructure, Smart Contracts, NFT, DApps, DeFi, DEX, Consensus Algorithms, Cryptography, Cybersecurity, Anchor, Hardhat, Truffle, OpenZeppelin, Blueprint, Web3.js, Ethers.js

• DevOps

Git, Docker, Jenkins, AWS, Heroku, Vercel, Firebase, Google Cloud, Microsoft Azure, Jira

• Web

Node.js, Express, PHP, Laravel, GraphQL, HTML5, CSS3, React, Next.js, Material UI, Bootstrap, Tailwind CSS

• Database

MongoDB, MySQL, SQLite, PostgreSQL, Sequelize

• Other

Leadership, Project Management, Mentoring