

Daniel Salo

Web3 Engineer

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👤 PROFILE

Passionate software developer with 6+ years of experience specializing in blockchain technology. Spearheaded the development of blockchain projects in **Fintech, Gaming, MEV, Defi/Dex** and **NFT marketplace** using **Solidity, Golang, Rust** and **React.js**. Also has an extensive knowledge of **Cosmos SDK** and successfully managed to develop a new Layer 1 chain. Ready to apply my passion for talented crypto **startup** projects.

📁 PROFESSIONAL EXPERIENCE

01/2022 – present

Blocksism

Lead Blockchain and Fullstack Developer

- Was responsible for a team of 3 and **lead** the development of multiple blockchain projects.
- Participated in the design and development of custom modules of BlockX economic system using **Cosmos SDK**(Golang) and **Tendermint**.
- Developed a **Defi/Dex** platform using **Solidity**, **Cosmwasm(Rust)** and core **Defi** protocols like **Uniswap, Aave** protocol.
- Participated in developing gas-efficient **cross-chain NFT** marketplace using ERC-20, ERC721, **ONFT721(A)** token standards on **Ethereum** and **LayerZero** protocol.
- Developed smart contracts on **Solana**.
- Took part in developing **Account Abstraction** wallet using ERC-4337 standard and Biconomy SDK.
- Leveraged bridge chains to allows users **bridge** tokens between multiple networks.
- Participated in developing a **SSI** Wallet using **Zero Knowledge** proofs(zkSnark) and snark.js library.
- Developed **frontend** pages for the website using **React.js**(Next.js), **Web3.js**, **Ethers.js** and **Hardhat** framework.
- Wrote secure **unit** and **fuzzing testing** cases using **Chai**, **Hardhat** and **Echidna**.
- Implemented a **security**-focused **code review** process, reducing the risk of security vulnerabilities and ensuring compliance with security standards.
- Interacted with other team members and CTO in the daily meeting for new features in the products using **Agile** software development methodology.
- **Mentored** junior developers.

09/2020 – 01/2022

BairesDev

Fullstack Developer

- Designed, developed and rebuilt 10+ structured and scalable websites for **Fintech**, **Healthcare**, **SaaS** Platforms utilizing **React.js** and brought remarkable growth in each project.
- Wrote **crypto payment gateway** system using **React.js** and **Node.js**.
- Used **Django(python)** framework for building backend of an ecommerce platform.
- Used **MySQL** and **MongoDB** for database system.

- Worked closely with **UI/UX** designers creating responsive and pixel perfect designs, ensuring optimal user experience.
- Developed Unit, Integration and E2E **testing** cases using Cypress, Jasmine and Jest ensuring 99% code coverage.
- Used **Docker** and **Kubernetes** for Containerization.
- Utilized **AWS Lambda**, **API Gateway**, and **AWS Cloud Formation** to create a **cloud-native** architecture.

10/2018 – 08/2020

Fractal

Smart Contract Developer

- Participated in development of an Ethereum based **Game NFT** marketplace project using a range of technologies including **Solidity**, **Web3.js**, **Ethers.js** and **Hardhat**.
- Effectively utilized **IPFS** to securely store and distribute immutable data across the network, ensuring the reliability and integrity of the decentralized applications.
- Developed and upheld a widely adopted implementation of the **ERC-20**, **ERC-721**, and **ERC1155** token standards.
- Implemented best industrial practices in gas optimization, resulting in significant cost savings.
- Fixed out possible **security** vulnerabilities of the NFT smart contracts.

EDUCATION

2014 – 2018

Bachelor's Degree of Computer Science

University of Helsinki

SKILLS

Languages (Go, Solidity, Rust, Python, C++, JavaScript, Typescript, Java)

FrameWorks (Cosmos SDK, Truffle, Hardhat, React, Angular, Vue.js)

Libraries (OpenZeppelin, Ethers.js, Web3.js)

Ethereum Standards (ERC20, ERC721, ERC1155, ERC4337, EIPs)

Other (Cryptography, Bitcoin, Zero Knowledge(zkSNARK))