

Professional Experience

Product Manager at Subspace Labs

2023 - 2024 | Full-Time | 13 months

Responsibilities

Given the concept of a product, I analyzed competing software, designed and spec'ed our solution, and managed our roadmap and development.

Impact

I designed, spec'ed, and managed the development of 5 POCs, along with 2 MVPs.

Key Contributions

- Designed an access layer for a blockchain-based file storage system, achieving enhanced performance and strengthened privacy through tailored protocols.
 - Designed a new identity scheme, leveraging proof-of-personhood, augmented TLS sessions with MPC and ZKP, and blockchain-based verified credentials.
 - Formalized security properties for the variations of proof-of-personhood.
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Lead Architect at Hencelabs

2022 | Full-Time | 6 months

Responsibilities

Define the architecture of an multi-blockchain network and manage various development and research teams.

Impact

I collaboratively designed the architecture of an entire multi-chain network, produced over 100 pages of specs, and managed the development from concept to MVP.

Key Contributions

- Meticulously spec'ed novel leader and leaderless consensus algorithms, hot and cold state management, message-passing, and much more—all with cutting edge industry standards.
 - Collaborated on the design of the network topology, committee selection algorithm, and consensus protocols.
 - Served as the face and voice of an 8 minute professionally produced marketing video.
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Technical Consultant at Hencelabs

2022 | Part-Time | 3 months

Responsibilities

Draft and communicate advisory reports on blockchain architecture.

Impact

Informed the design of a multi-chain network and was promoted to a lead architect role.

Key Contributions

- Contrasted the network economics, mechanism design, and execution environments of every major blockchain.
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Product Owner at MakerDAO

2022 - 2023 | Full-Time | 13 months

Responsibilities

Hire and manage a team of developers to build an onboarding and educational platform for the MakerDAO community.

Impact

Built and released version 1 of the platform; it was then shortly acquired and repurposed by the operations-focused company Powerhouse.

Key Contributions

- Development was always ahead of schedule, due to my ability to limit 'deleted features', refactor, and other technical debt.
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Technical Consultant at MakerDAO

2021 | Part-Time | 3 months

Responsibilities

Develop new solutions to securely and performantly move company decisions, such as budget management and governance, on-chain.

Impact

Designed, developed, and benchmarked an on-chain POC for range polling that mitigated tactical voting.

Key Contributions

- Researched and benchmarked the various range polling protocols and defined various attacks against each one.
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