

Work Experience

Lead Engineer	Image App	June 2023 – Present
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Key Tech: JavaScript, TypeScript, Next.js, Node.js, Docker, GCP Firebase, Cloud Functions.

- Engineering B2C generative AI application using open-source models and OpenAI - imageapp.xyz.
- Directed a small team of 3 in the rapid development of the startup's core backend systems, scaling to 1000s of concurrent users.
- Increased system efficiency and reliability by implementing microservice architecture and continuous integration/deployment. Increased system availability by over 30%.
- Led technical development of FaceTune, one of the most popular features of the app, allowing users to generate fine-tuned AI images of themselves.

Software Engineer	Shore Crypto	Jan 2022 – June 2023
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Key Tech: Go, Typescript, React, Solidity, AWS DynamoDB, ECS, ECR, Terraform, Codecov.

- Founding engineer, developed fintech application focused on disrupting reinsurance.
- Created smart contracts to manage investments and yields of USDC in risk pools.
- Led frontend development - authentication, dashboards, responsive design.
- Designed and implemented an API which managed deposits, investments, and transfers of assets.
- Established CI/CD with testing and code coverage. Automated deployments of Docker containers.

Full Stack Engineer	Flow Labs Contract	July 2021 – Jan 2022
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Key Tech: Node.js, React, Redux, GraphQL, Nexus, Prisma, PostgreSQL, EKS, Pulumi, RDS.

- Created application enabling users to stream NFTs across different devices - cast.art.
- Developed a mobile-friendly interface. Enabled users to favorite, share, and view NFTs.
- Managed deployments and CI/CD across dev and prod environments with infrastructure as code.

JavaScript Developer	Zoic Labs	Feb 2019 – July 2021
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Key Tech: Node.js, JavaScript, React, GitLab, Elasticsearch, Atlassian Suite, Firebase, MongoDB.

- Worked as a primarily frontend engineer for a company which subcontracted for the DoD.
- Developed a complex data visualization and manipulation application using React.
- Engineered document classification tool for the DoD. Coordinated with 3 teams across subcontractors.
- Developed as part of a team a survey website - proxymatch.io. Handled authentication through multiple providers like Microsoft and Google and also google analytics.

Runes	https://runes-tcg.com
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Key Tech: Node.js, Typescript, Next.js, Prisma, Nexus, Apollo GraphQL, Google Cloud Functions.

- Co-creator of a blockchain-integrated card game, with NFTs representing playable cards.
- Led technical development from initial concept to launch and successful post-launch events.
- Implemented cloud system architecture - set up server deployments, PostgreSQL database, and Github actions for CI/CD.
- Fostered an active community of 1000s of users, leading to over \$70,000 in revenue.

AI Messenger	App Store
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Key Tech: Swift, Firebase, Xcode, Node.js, Typescript

- Sole creator of app published on Apple App Store, integrating AI with messaging.
- <https://apps.apple.com/app/id6472007820?platform=iphone>

Education

B.S. Mathematics-Computer Science	University of California, San Diego	June 2018
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