

Skills

JavaScript, TypeScript, Node.js, React, HTML, CSS, GraphQL, SQL, Docker, AWS, GCP, IaC.

Work Experience

Senior Full Stack Engineer **ImageApp.xyz | Contract** **June 2023 – Present**

Key Tech: Node.js, Typescript, React, GraphQL, Firebase, Google Cloud Functions, Google Analytics.

- Leading development of generative AI image application using OpenAI ChatGPT and Stable Diffusion.
- Training machine learning models to fine-tune image generation using SDXL LoRA.
- Established a monthly subscription and referral model resulting in a growth in revenue of over 60%.
- Introduced unit and integration testing principles, increasing code coverage from 40% to 85%.
- Developed microservices for image generation and image search.

Software Engineer **Shore Crypto** **Jan 2022 – June 2023**

Key Tech: Go, Typescript, React, Github Actions, AWS DynamoDB, ECS, ECR, Terraform, Codecov.

- Developed fintech application focused on disrupting reinsurance.
- 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.
- Managed infrastructure as code through AWS. Logging, load balancers, and ECS task definitions.

Full Stack Engineer **Flow Labs | Contract** **July 2021 – Jan 2022**

Key Tech: Node.js, React, Redux, GraphQL, Nexus, Prisma, PostgreSQL, EKS, Pulumi, RDS.

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

JavaScript Developer **Zoic Labs** **Feb 2019 – July 2021**

Key Tech: Node.js, JavaScript, React, GitLab, Elasticsearch, Atlassian Suite, Firebase, MongoDB.

- Developed complex data visualization and manipulation applications using React.
- Engineered document classification tool for the DoD. Worked with 3 teams across subcontractors.
- Implemented frontend of survey website - proxymatch.io. Authentication, database, analytics.
- Adhered to agile methodologies using Atlassian suite products: Jira, Confluence, and Bitbucket.

Software Engineer **Adventure Networks | Contract** **June 2018 – Feb 2019**

Key Tech: Node.js, React, Typescript, EC2, DynamoDB, Websockets, Twilio, OAuth, web3, Solidity.

- Developed collaborative, multimedia platform. Users could share GIFs, draw, and play games.
- Created Ethereum wallet management system with authentication through email and phone.
- Resolved over 120 user-reported issues using Jira with LogRocket.

Education

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

Projects

Runes runes-tcg.com

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 development from initial concept to launch, iterating from user feedback.
- Managed hosting and deployment of the application on cloud platforms with IaC and CI/CD.
- Implemented microservice architecture for metadata storage and retrieval.
- Fostered an active community of over 500 users, leading to over \$40,000 in revenue.