

JASON KRAFT

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EDUCATION

Virginia Polytechnic Institute and State University (Virginia Tech)

May 2016

Bachelor of Science in Mathematics

SKILLS

- Languages: TypeScript/JavaScript, Rust, Java, Python, HTML/CSS
- Frameworks: Svelte, TailwindCSS, React, Jest, Node.js, Express.js
- Technologies: AWS, Capacitor, Electron, Figma, Git, Heroku, PostgreSQL
- Other: Distributed Systems, Data Structures, Algorithms

WORK EXPERIENCE

Software Engineer

Jan 2022 – Jun 2023

IOTA Foundation - Remote

- Collaborated with a small team to develop a cross-platform wallet application with 25,000+ users; built using Typescript, Electron (desktop) and Capacitor (mobile) for platform-specific development, and Svelte and TailwindCSS for frontend development.
- Led development of the NFT milestone to completion: planned requirements, created specifications, organized and delegated tasks, and performed code reviews.
- Implemented redesigns and introduced new features to support IOTA protocol upgrades.
- Refactored platform dependent code out of shared components to improve composability.
- Migrated TypeScript codebase to strict mode to reduce errors and improve code quality.

Systems Engineering Associate

2016 – 2018

Lockheed Martin | Leidos - Washington D.C.

- Programmed hooks to capture CPU performance metrics, queried a private restful API for updated data, and built an internal monitoring tool to deliver reports to system architects.
- Presented quarterly reports on hardware limits to FAA customers to ensure availability up to and beyond the program's estimated Tech Refresh date.

PROJECTS

Notes for Chrome

React, TypeScript, Figma

[Figma](#) • [Chrome Web Store](#) • [GitHub](#)

- A Google Chrome extension built on Google's Manifest V3 platform that allows users to create, browse, edit, and delete notes that sync across their Google accounts.

ShortURL

TypeScript, Jest, Express, Heroku, PostgreSQL

[GitHub](#)

- A server-side rendered URL shortening service with time-sensitive records. Test coverage is greater than 80% and includes unit, integration, and end-to-end tests, as well as mocking.

Backend Template

AWS CloudFormation

[GitHub](#)

- An infrastructure-as-code template with staging and production environments, application load balancers, auto-scaling groups, port-forwarding, subnets, NAT gateway, and CI/CD pipeline.