

WORK EXPERIENCE

- **Bendy - Mobility-focused fitness app, solo project**
<https://bendy.fit> Jan 2025 - Present
- **ConsenSys (Infura)**
Principal Software Engineer Mar 2019 - Oct 2024
 - Transformed Infura's DevOps process by modernizing workflows, integrating advanced automation tools, and streamlining CI/CD pipelines, resulting in improved operational efficiency and scalability.
 - Built and maintained backend services supporting Infura's products, including high-throughput Ethereum API accelerators, user/account management, billing and usage metering, authentication, API design and versioning, and multi-layer caching.
 - Developed custom Kubernetes operator for managing the lifecycle of blockchain nodes, allowing for rapid addition of new networks and subsequent products.
 - Spearheaded the development of Infura's Decentralized Infrastructure Network (DIN) using ideas learned managing support for multiple networks at Infura.
 - Stack: Terraform, Kubernetes, Golang, DynamoDB, TypeScript, Postgres, AWS
- **ShapeShift**
Senior SRE / DevOps Engineer May 2018 - Mar 2019
 - Saved tens of thousands of dollars and hundreds of engineering hours monthly by eliminating infrastructure waste.
 - Transformed infrastructure and DevOps practices using infrastructure as code, containers, and other modern solutions.
- **Closetbox**
Senior Software Engineer Sep 2017 - May 2018
 - Converted a monolith into serverless, event-driven microservices on AWS Lambda, greatly increasing scalability and developer velocity.
 - Assumed role of DevOps, moving infrastructure to be managed as code using Terraform, setting up full CI/CD pipelines from scratch using Docker and CircleCI, and helped generally engineer more reliable operations of our applications.
- **Josh.ai**
Senior Software Architect - Tools and Infrastructure Aug 2015 - Sep 2017
 - Designed and implemented a real-time streaming data synchronization protocol to update clients on multiple platforms (iOS, Android, Web) of updates in their home.
 - Implemented device drivers to integrate with tens of different smart devices and ecosystems (Lutron, Crestron, Control4, LIFX, Philips Hue, etc.).
 - Led the development of cutting-edge front-end clients using React and React Native, in a single codebase sharing 95% of code between Web, Android, and iOS.
 - Managed cloud infrastructure as well as implemented backend services for authorization and user management, user remote access to the home, and other cloud features.
- **NetApp**
Firmware Engineer Jul 2014 - Jul 2015
 - Helped to implement the firmware for a cloud backup service for storage arrays, providing advanced disaster recovery data restore capability to customers who do not have the luxury of a second site.

EDUCATION

- **University of Colorado Boulder**
Master's Degree, Electrical Engineering, GPA: 4.0 Sep 2013 - May 2014
- **University of Colorado Boulder**
Bachelor's Degree, Electrical and Computer Engineering, GPA: 3.9 Sep 2009 - May 2013