

Sam Graham

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PROFESSIONAL EXPERIENCE

Cloudbees, Inc

SENIOR SOFTWARE ENGINEER

2024 – present | Royal Oak, MI

Designed and maintained the Cloudbees DevSecOps SaaS platform 🌐

- Designed and built SaaS platform product services, including feature Feature Flag Management and auditing
- Led the design and maintenance of CICD workflows for diverse teams across the organization
- Designed and built robust services for the CICD product, utilizing both Kubernetes and the Tekton frameworks

BACKEND SOFTWARE ENGINEER

2022 – 2024 | Ann Arbor, MI

Developed and supported the Cloudbees Feature Flag Management SaaS platform 🌐

- Implemented and maintained the Express API, backend services, and customer SDKs
- Regularly shipped code to implement new features and scale the API (config-as-code, integrations, etc)
- Regularly improved the existing code base (authorization, test suite, new tooling)

Aria, CO-CREATOR, SOFTWARE ENGINEER 🌐

2021 | Boston, MA

Created Aria, an automated canary analysis deployment tool for AWS environments

- Wrote Node.js based API enabling deployment of CloudFormation stacks to existing VPCs
- Engineered custom deployment pipeline using Docker, CDK core, & SDK libraries
- Created Svelte SPA enabling deployments lifecycle management and observability

General Motors Inc. 🌐

SENIOR SYSTEMS ENGINEER

2017 – 2021 | Warren, MI

- Tech Lead of 5+ safety engineer team, responsible for all product-line steering systems
- Created Flask based application to manage 70 person org workflow and work products
- Defined AV, Steer-by-Wire, & Fail Operational steering safety strategies

STEERING SYSTEMS ENGINEER

2014 – 2017 | Warren, MI

- Authored Hazard Analysis, Safety Concept, FTA, & STPA work products
- Defined safety requirements for AV and automated features

PATENTS

"Multi-stage voting control", US Patent No. US20180364712A1 - Date of Patent: Dec 8, 2018

EDUCATION

M.S. Embedded Systems, Oakland University 🌐

2014 | Rochester, MI

B.S. Electrical Engineering, Michigan Technological University 🌐

2007 | Houghton, MI, USA

SKILLS

Languages (Golang, TypeScript | NodeJS, ANSI C, SQL)

Frameworks (Express, React, Svelte)

Database (Postgres, MongoDB, SQLServer, Cassandra, TimescaleDB)

Tooling (kubernetes, Git, Docker, gRPC, NATS, AWS CDK, Github Actions, Jenkins, CircleCI)