

Holden Lucas

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SUMMARY

Full-stack engineer with six years of experience building production web applications across government, enterprise SaaS, and freelance roles. Most recently built a construction project management platform serving ~100 daily users. Focused on automation and reducing complexity, and strongest in Python, TypeScript, and Go.

EXPERIENCE

Freelance Software Developer

Dec. 2024 — Nov. 2025

Fourth Wall Design - Construction project management

Remote

- **Independently designed and developed** a construction management platform with ~100 daily users
- **Built inventory management system** for multi-site inventory tracking
- **Automated data extraction** saving 40+ hours a month of manual PDF processing
- **Integrated AI-powered reporting** of project status using an MCP server
- **Designed mobile first, ARIA-accessible components** for datatables, Gantt charts, and bulk file uploads

Technologies: *Go, SQLite, Fly.io, Tigris, Claude, Git*

Software Engineer II

Oct. 2020 — Oct. 2024

Immuta - Data-governance platform

College Park, MD / Hybrid

- **Led migration from Jenkins to GitHub Actions** reducing CI time by 30% and saving ~\$50K annually
- **Developed internal CLI tooling** to standardize CI processes across 4 development teams
- **Reduced complexity of the Angular client** by creating shared libraries, reducing bundle size by 30%
- **Upgraded a legacy Python CI codebase** while removing ~4k lines of code with zero test regressions
- **Enabled Spark query plan manipulation** that Maintained a library for Databricks notebooks
- **Collaborated on a 7-person engineering team** developing data governance features for enterprise clients

Technologies: *TypeScript, Python, Angular, Scala, PostgreSQL, Git*

Software Developer

Jul. 2019 — Oct. 2020

Planned Systems International - U.S. Electronic Immigration System

Washington, DC / Hybrid

- **Built and maintained CI/CD pipelines** for bi-weekly production releases
- **Developed a report processing pipeline** transforming 300+ PM reports into dashboards monthly
 - **Gathered requirements and designed the application** through stakeholder interviews
 - **Led a 2-person development team** for the duration of the project, coordinating tasks and code review
- **Worked on a 5-person development team** supporting critical government infrastructure

Technologies: *TypeScript, Java, Angular, Svelte, Spring Boot, Firebase, AWS, Azure, Git*

Infrastructure

Apr. 2018 — May 2019

Micfo - Web hosting

Charleston, SC

- **Deployed and managed monitoring** for 500+ production servers
- **Developed work management system** to replace manual email ticket management

Technologies: *Python, TypeScript, Vue.js, Django, Elasticsearch, Logstash, Kibana*

EDUCATION

College of Charleston

Bachelor of Science, Computer Science

Charleston, SC

Spring 2015 — Spring 2019