

Holden Lucas

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SUMMARY

Software Engineer with 6+ years of experience building full-stack web applications, CI/CD pipelines, and developer tools. Track record of leading technical initiatives, ranging from independently designing and deploying production systems to CI migrations saving \$50K annually. Expertise in Python and TypeScript with experience across the full development lifecycle from database design to deployment infrastructure.

WORK EXPERIENCE

Contract Software Developer

Dec. 2024 — Nov. 2025

Fourth Wall Design - Construction project management platform

Remote

- **Independently designed and built** a construction ERP platform from requirements to deployment
- **Built a cost-effective data extraction pipeline** saving 40+ hours a month of manual processing
- **Developed ARIA accessible components** for datatables, Gantt charts, and bulk file uploads
- **Created an MCP server for AI integration**, allowing agents to query project status and generate reports
- **Delivered end-to-end solution** including database design, API development, and deployment infrastructure

Technologies: *Go, Luci, 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
- **Maintained a library for Databricks notebooks** that enabled Spark query plan manipulation
- **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*

EDUCATION

College of Charleston

Charleston, SC

Bachelor's of Science, Computer Science

Spring 2015 — Spring 2019

PROJECTS

Luci

github.com/holdenlucas/luci

- Go web framework for building performant, server rendered web applications
- Designed to allow lightweight (~10kB) clients with real-time interactivity
- Treats pages as pure functions which re-render via compressed SSE streams on DB changes