

I live and breathe software engineering, as a full-time student in an honors engineering program and as a developer at a small Nashville-based B2B SaaS company. My primary interests are software systems, infrastructure, and maintainability. I have loved making a real impact by improving ResaleAI's CI/CD process, and I want more of that. I am looking for a software engineer role at a bleeding-edge company with a large reach where I can learn while making an impact.

WORK EXPERIENCE

Software Engineer 05/2021 — Present *ResaleAI* Nashville, TN

- Modernized million dollar B2B software app constrained by a large piecemeal system through Kubernetes and containerization. As project lead, I:
 - Empowered our engineering team with the ability to deploy code with confidence through a GitOps-based workflow. (Argo CD, Argo Workflows)
 - Reduced application start up time, to test or handle outages. (Docker)
 - Facilitated a multi-stage production environment through the parameterization of infrastructure as code. (Helm)
 - Vastly improved teams ability to respond to and remedy service issues through improved telemetry and observability. (New Relic, Slack integration)
 - Allowed for more flexibility with respect to hosting by minimizing vendor specific dependencies. (Kubernetes)
 - Improved the systems maintainability over time through extensive documentation.
- Implemented and documented release process as lead engineer:
 - Minimized impact of bugs and outages through implementing a multi-stage process. (Github Actions)
 - Empowered non-technical team members to transparently manage the releases through a custom Monday integration. (JavaScript)
- Designed and built an XML-like templating language and component system to abstract away unnecessary complexities in designing consumer facing receipts (TypeScript).
- Effectively communicated with an international team to build and review miscellaneous features.

Software Engineer Intern 03/2019 — 05/2021 *ResaleAI* Nashville, TN

- Investigated and squashed bugs while helping customers troubleshoot issues. (Vue, Ruby on Rails)
- Enabled thousands of bricks and mortar retail staff to photograph and submit merchandise with any smartphone to a Shopify integration during the pandemic shutdowns. (Vue)
- Reduced time spent by support on live chats by creating an accessory app for the Zendesk Chat platform. (JavaScript)

EDUCATION

B.S. in Computer Science 05/2024 *University of Tennessee, Knoxville, Tickle College of Engineering Honors*

PROJECTS

Hack4Impact 08/2020 — 05/2021 *UTK*

- Helped design and implement event management application for local volunteering firm. (React/Next, MongoDB)

Zen

- My current side project with the purpose of practicing extensible and maintainable SOLID code, and to provide a standard interface for interacting with and testing different labs/challenges.

Zephyr

- A proof-of-concept project for a reactive frontend framework built in Go and compiled to WebAssembly. The framework used many of the principles from the Vue framework.

AWARDS

- VolHacks '21:** AI powered audio cleaner Best GCP Hack, Best AssemblyAI Hack, 2nd Overall
- Congressional App Challenge '19:** High school club management app Winner

SKILLS

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| Proficient | Javascript/Typescript, Vue, PostgreSQL, GraphQL, Ruby/Rails, Go, C/C++, Python, Git, Heroku, Docker, ArgoCD, Argo Workflows, New Relic, Helm, Kubernetes, Traefik, SQL, Postgres, UNIX, Bash |
| Exposure | Java, Swift, React, MongoDB |
| Other interests | Skateboarding, physics, juggling, Kendama, and philosophy |