

# Christopher Higgins

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Senior Software Engineer with 10+ years of experience leading engineering initiatives across startup, enterprise, and government environments. Trusted to set technical direction, guide architecture decisions, modernize legacy systems, and drive execution across the full stack. Strong in TypeScript, React, Ruby on Rails, Go, and SQL, with repeated ownership of customer-facing, product-critical systems from early buildout through scale.

## **SENIOR SOFTWARE ENGINEER, Cisco** February 2023 – Present

- \* Led a team of three developers through a full React and TypeScript rewrite of a company-wide software security application, reducing bug reports to zero over the following 12 months and cutting load times by 6x.
- \* Designed and built full-stack workflows with Golang and Rails that help users understand scan results, prioritize vulnerabilities, and track remediation work.
- \* Worked across frontend, backend, and database layers to deliver product features and resolve performance bottlenecks.
- \* Diagnosed and fixed SQL performance issues by optimizing slow queries, improving data access patterns, and reducing bottlenecks in report-heavy workflows.
- \* Integrated Claude, Copilot into development workflows to increase iteration and prototype velocity.
- \* Developed AI-powered MCP-based chatbot interface that enabled agents to execute application workflows.

## **SENIOR SOFTWARE ENGINEER, AngelList Venture** February 2022 – September 2022

- \* Led a cross-product SSO integration to unify authentication across previously separate services.
- \* Refactored slow queries and inefficient data loading behavior in core Rails workflows, reducing response times by 10x in several critical paths.
- \* Improved backend performance by identifying expensive request paths and changing how Rails loaded data for high-traffic workflows.
- \* Built full-stack product features using React, TypeScript, GraphQL, Ruby on Rails, and SQL.

## **FOUNDING ENGINEER, SingleFile Technologies** March 2020 – September 2021

- \* Designed and built the company's React web application and related Python backend functionality from scratch as one of four founding engineers.
- \* Built integrations with state government websites, payment processors, and third-party APIs to automate legal business filings.
- \* Helped grow the product from zero to over one thousand customers within the first year.
- \* Worked across the full product surface, from frontend architecture to backend behavior and external integrations.

## **FRONT-END TECH LEAD, The Boeing Company** April 2019 – March 2020

- \* Architected and implemented a new React + TypeScript project to manage flight data across Boeing systems.
- \* Led frontend modernization work that moved the stack from older JavaScript patterns to TypeScript, React, Redux, Webpack, and automated testing.
- \* Mentored and taught other JavaScript developers in the above tools through pair programming and in-depth code review.

## **LEAD FRONT-END DEVELOPER, U.S. Environmental Protection Agency** October 2017 – February 2019

- \* Led development of a public-facing chemical toxicology suite using React, TypeScript, and Ruby on Rails.
- \* Led the migration of a legacy jQuery codebase to a Vue single-page application.

## **JAVASCRIPT ENGINEER, Lowe's Companies; September 2016 – October 2017** **IT CONSULTANT (Internship), Carolina's IT; June 2015 – August 2015**

## **UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL** Bachelor of Science · Computer Science 2016

### **SKILLS & TECHNOLOGIES**

TypeScript, JavaScript, React, CSS, Tailwind, responsive design, accessibility, Ruby on Rails, Go, SQL, RESTful APIs, GraphQL, WebSockets, Vitest, Playwright, unit testing, Vite, Docker, Podman, Linux, Bash, Git, CI/CD, GitHub Actions, SSO