

James Connor Volpe

Full-stack Software Engineer

EXPERIENCE

Lowes - Software Engineer | Charlotte, NC

March 2025 - Present

- Led the adoption of a micro-frontend architecture for the Lowe's Returns Android app, improving scalability and developer velocity.
- Implemented new UX flows in React, Ionic, and Capacitor for the Returns Android application used by sales-floor associates.
- Built and maintained a Node.js + Fastify Backend-for-Frontend (BFF) service powering the Returns Android and Web apps, including optimized REST APIs, request validation, and cross-service orchestration.

Freelance - Full-stack Web Developer | Remote

Jan 2023 - Feb 2025

- Delivered end-to-end web applications for startups and SMBs, sourcing clients through Upwork, covering scoping, architecture, full-stack development (Next.js, Node.js, Go), AWS deployment via custom CDKs, and CI/CD pipelines using GitHub Actions.

Amazon Web Services - Front End Engineer | Seattle, WA

July 2021 - Jan 2023

- Led implementation and launch of new React user experiences on the AWS Identity and Access Management (IAM) Console, impacting thousands of customers.
- Participated in a monthly on-call rotation, resolving customer issues, triaging CloudWatch alarms, debugging service degradations, and collaborating with backend teams to restore service health.
- Presented weekly operational status updates to the broader Identity organization.
- Voluntarily left AWS to relocate closer to family in Chicago; was not affected by layoffs.

Workiva - Software Engineer Intern | Ames, IA

May 2020 - August 2020

- Contributed to development on a Dart + React-based web application (Wdesk).
- Worked with Agile development methodologies. Participated in code review and wrote unit and integration tests.

NPR - Web Software Developer Intern | Washington, D.C.

May 2019 - August 2019

- Utilized a full stack (MongoDB, Express.js, Angular, Node.js) to develop an Audio Engineering discrepancy logger web application. I was the sole developer on this project.
- Used Docker to containerize the application for CI/CD.

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<https://jcvolpe.me/>

EDUCATION

Iowa State University | Ames, Iowa Software Engineering, B.S.

August 2017 - May 2021

· 3.01 GPA

SKILLS

Languages/Frameworks:

React, Typescript, Javascript, Svelte, NextJS, TailwindCSS, Tanstack, Go, Java, Springboot, Node.js, Fastify, Swift, Python, PyTorch

Platforms: AWS, Google Vertex AI, RAG, Hadoop ecosystem, Druid, Big Query.

Database: MongoDB, GraphQL, DynamoDB, Redis, PostgreSQL

PERSONAL PROJECTS

Full stack web and mobile apps
See <https://jcvolpe.me/projects> or <https://github.com/Volpestyle>

AWARDS

Technical Education Senior Award

May 2021

“Awarded to students who exhibited outstanding work and dedication in the area of Technical Education.”

WSC Logo Design

May 2017 - Present

Won 1st place prize of \$1,000 for a logo design competition hosted by the Wheaton Sport Center in Wheaton, IL.