Christian Gonzalez Lopez

Software Engineer

Miami, FL | gonzalezchristianlopez@gmail.com | linkedin.com/in/christian-g-5509a013a

SUMMARY

Software engineer with 3+ years building large-scale React, TypeScript, and Node.js applications for millions of customers at American Express, from fast, efficient customer-facing React components to REST APIs, content management system (CMS) integrations, and backend monitoring. Autonomously delivers features from story grooming through production release and partners closely with design and product in Agile teams.

TECHNICAL SKILLS

Frontend: React, TypeScript, JavaScript (ES6+), React Hooks, Redux, HTML5, CSS3, Cross-Browser, Accessibility (WCAG)
Backend & Cloud: Node.js, Express, Java, Spring Boot, REST APIs, MySQL, AWS, Docker, NGINX, npm
Frontend Ecosystem: Webpack (bundling), ESLint, Jest, React Testing Library, Feature Flags, Jenkins, GitHub Actions, Git
Practices: Agile/Scrum, Code Review, Technical Documentation, Monitoring & Alerting, Performance, Debugging
Tools: CMS Integration, Figma, Postman, AI-Assisted Development (Claude, Cursor, Copilot)

PROFESSIONAL EXPERIENCE

American Express **Mar 2023 – May 2026**

Full Stack Software Engineer, Credit & Collections

- Built customer-facing React and TypeScript micro-frontends on One App, AmEx's open-source micro-frontend framework, and the Node.js and Java REST APIs behind them, serving millions of users across 7 international markets
- Helped drive a large-scale modernization of the legacy payments journeys into 10+ modern React repositories, grooming stories and independently building testable, scalable components now live in production
- Integrated enterprise CMS content into React applications and configured monitoring and alerts for backend services, fixing complex production bugs to keep features reliable
- Improved page load performance ~25% through lazy loading, Webpack code splitting, and render optimization, delivering cross-browser, accessible UIs with UX designers
- Owned releases end to end for each market launch: semver-versioned, synchronized deployments of interdependent modules, QE and UAT support, and off-hours production deployments validated with live accounts, shipping high-quality code through CI/CD with Jest, React Testing Library, and ESLint

VMware **Jun 2022 – Aug 2022**

Front End Software Engineering Intern *Remote*

- Built UI features for the cluster-management workflow of VMware Tanzu Community Edition, an open-source Kubernetes distribution, using React, React Hooks, the Clarity design system, and a Node.js REST API
- Wrote comprehensive Jest unit tests covering component behavior and edge cases, reducing bugs before release
- Collaborated with UX to deliver accessible, user-centered interfaces that matched design specifications

FIU Applied Research Center / Pacific Northwest National Laboratory **Nov 2020 – Nov 2021**

Undergraduate Research Fellow

- Deployed a deep learning crack-detection model as a REST web service using C# and ASP.NET, MySQL, and Azure
- Implemented a published time-series algorithm to fill gaps in spatial-temporal data across PNNL and FIU research teams

PROJECTS

Dresser | AI-Powered Styling App (React Native, Spring Boot, Gemini API) **2026 – Present**

- Building a full-stack app with a React Native client and a Spring Boot REST API that uses Gemini vision to analyze clothing images and recommend outfits
- Owning the product from 0 to 1: technical design, API integration, component architecture, and recommendation UI

EDUCATION

Florida International University | B.S. Computer Science, GPA 3.66 **Dec 2022**