

ANDERSON LAVENTURE.

Full-Stack Software Engineer
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[Portfolio](#)

PROFESSIONAL SUMMARY

Software engineer with 4+ years shipping accessible, WCAG-compliant web, mobile, and browser-extension products end-to-end. Background in healthcare operations adds depth to cross-functional collaboration. Recently cut support tickets 80% by designing a cross-platform gift-card balance feature.

Node/React/TypeScript on AWS.

EXPERTISE

Languages: JavaScript, TypeScript, HTML, CSS

Frameworks: React, React Native, Next.js, Vue.js, Tailwind

Developer/Tools: Git, Zustand, React Query, Jest, Cypress Expo, React Testing Library, CI/CD

Backend/Cloud: GraphQL, Node.js, PostgreSQL, AWS (API Gateway, CDK, S3, CloudWatch, Lambda), MongoDB, GitHub CoPilot, Claude Code, Redis, Docker

Methodologies: Agile/Scrum, Test-Driven Development

EXPERIENCE

Full-Stack Software Engineer

SEPT 2022–MAY 2025

Croissant

- *Fintech shopping tool that lets buyers lock-in guaranteed resale buyback prices*

- **Owned and shipped** a full-stack gift card balance feature across Chrome & Safari extensions, Web App, Native App, and backend (GraphQL + REST APIs)—scraped retailer UIs to fetch balances, enabled real-time updates via modal, and built ledger logic to track debits and credits.
- **Designed and launched** a dynamic onboarding-tooltip system for Web & Mobile Web, lifting Chrome Extension installs 14% through contextual guidance at key activation points.
- **Directed a full Shop-page redesign**—multi-dimensional filters, search, sort, responsive mobile-first layout with cross-browser compatibility—driving a 10% increase in average time on page.
- **Architected onboarding-flow** enhancements (Gmail-sync guidance, zero-item experience) across Web & Mobile Web, reducing first-time friction and accelerating activation.
- Contributed to a centralized design system **deployed via AWS-CDK** infrastructure setup to improve frontend consistency and team efficiency.
- **Introduced** React Testing Library and **piloted** testing patterns adopted by the entire 6-person FE team.
- Used CloudWatch logs and metrics to debug issues and resolve bugs across the stack.

Junior Full-Stack Software Engineer

NOV 2021–SEPT 2022

Learnics

- *Ed-tech platform: Chrome extension and web-app for student research insights.*

- Developed new Chrome Extension features, improving usability and increasing student engagement.
- Built an interactive analytics dashboard for students, enhancing real-time visibility into student engagement.
- Created a Vue.js-driven bibliography generator leveraging third-party APIs, streamlining citation creation and improving assignment completion.
- Built customer empathy through direct collaboration with teachers and students, translating feedback into features.

Junior QA Software Engineer

Jun 2021–Dec 2021

Jarvus Innovations

- *Civic technology consultancy building open-source tools for government and education clients*

- Wrote end-to-end Cypress tests for civic technology web applications.

Apprentice Full Stack Software Engineer

MAR 2021–JUN 2021

Cultivate

- *Culture consulting firm helping companies build thriving, high-performing teams*

- Built PostgreSQL-backed data tables with CRUD operations, search, and filtering.
- Troubleshoot, debugged, and maintained existing software to improve reliability.
- Collaborated with senior engineers to implement new features and fix production bugs.

Science Teacher

NOV 2016–MAR 2020

School District of Philadelphia / Tacony Charter School.

- Taught 7th and 8th grade science; completed accelerated M.Ed. while student teaching full-time.

Healthcare Operations & Care Coordination

SEPT 2014–JULY 2016

Open Systems Healthcare

- *Home healthcare agency coordinating care delivery across patients, providers, and payors.*

- Served as liaison between patients, clinical staff, and managed care organizations (Highmark, BCBS, UnitedHealthcare) to coordinate in-home care services for elderly and medically complex populations.
- Navigated payor workflows to authorize services and durable medical equipment (DME) on behalf of patients, working directly with nurses and physicians.
- Conducted in-home assessments to evaluate patient needs and match appropriate caregiver support, ensuring HIPAA-compliant documentation.
- Trained and mentored junior staff on healthcare operations, compliance protocols, and stakeholder communication.

PROJECTS

Personal Project

YouTube RAG Analyzer — [Live App](#)

- *Serverless RAG application for analyzing YouTube channel content via conversational AI*

- Built serverless Node.js serverless API on Netlify Functions orchestrating YouTube, OpenAI, Pinecone, and Anthropic Claude APIs.
- Designed 40-line system prompt with branching decision logic achieving high JSON schema compliance via Zod validation.
- Implemented prompt injection mitigation, security headers, and token-aware conversation history truncation.

EDUCATION

Temple University – M.Ed., Education

August 2018

Pennsylvania State University – B.S., Health Policy & Administration

May 2013