

TRAN LE

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EXPERIENCE

Software Engineer II, Nordstrom

Nov 2023 - Jul 2025

- Prototyped and built a React/TypeScript component library in collaboration with designers and platform engineers, established shared Figma-to-Storybook component conventions, accessibility compliance and standardized UI patterns across 3 production applications.
- Led GCP/BigQuery migration as sole engineer on a hard deadline, rearchitected Python/Airflow pipelines with parallelized Kubernetes pods, reducing runtime 96% (2 hrs to <5 min) for 32GB+ datasets. Designed shadow-run validation strategy ensuring zero downtime across 6 mission-critical services.
- Scaled and optimized financial planning dashboard (React, TypeScript, AG Grid, Redux) for 200+ planners, designed UI/UX, implemented a calculation engine resolving cascading recalculations across 4–5 layers of metric dependencies triggered by single cell edits.
- Engineered full-stack observability (Splunk, New Relic, OpenTelemetry) across 3+ production services, established monitoring baselines to detect regressions and API bottlenecks before end-user impact.
- Drove end-to-end delivery of 3 cross-functional product initiatives, translated business requirements into frontend architecture, REST API contracts, and backend service designs in collaboration with PMs and designers. Mentored 3 junior engineers through weekly 1:1s and architecture reviews.

Software Engineer I, Nordstrom

Nov 2021 - Nov 2023

- Re-engineered Excel-based supplier finance workflows into a full-stack web application, owned React/TypeScript frontend, PostgreSQL schema design, and REST API contracts from scratch, eliminating 700+ hours of annual manual effort for planners.
- Designed and developed a centralized supplier profitability dashboard (React, TypeScript, Material UI) with real-time projections and financial health metrics, creating UI/UX with no existing design system and using Redux for real-time state management across complex what-if scenario analysis.
- Implemented secure role-based access control using React, PostgreSQL, and JWT authentication across internal enterprise systems. Deployed automated integration and E2E tests (Jest, Cypress) across 3 platform applications, improving deployment confidence and reducing regressions.
- Reduced annual cloud infrastructure costs by \$42K through Kubernetes autoscaling right-sizing. Contributed to event-driven microservices with Java Spring Boot and Kafka for near real-time vendor data ingestion and reporting.

PROJECTS

Milestone: Wedding Planning App, [Personal Project](#)

Present

- Design-first process to build an interactive web app, mapped information architecture, prototyped interactive patterns (adaptive dashboard, inline task creation, keyboard-driven flows), and documented interaction specs.
- Built in React, TypeScript, Vite, and Node.js (Hono), schema-first with shared TypeScript contracts across frontend and backend workspaces, Supbase with magic link OTP auth.
- Automated project scaffolding with Claude AI to generate GitHub milestones, issues, and feature tasks from an MVP spec and codebase reference.

SKILLS

Frontend: React, Redux, TypeScript, JavaScript, AG Grid, Material UI, Figma, HTML/CSS, accessibility

Backend & Data: Python, Node.js, REST APIs, PostgreSQL, BigQuery, SQL, Java Spring Boot, Kafka, Airflow

Cloud & DevOps: AWS (S3, RDS, Step Functions, Lambda), GCP (BigQuery, GCS), Kubernetes, Docker, CI/CD (GitLab/GitHub), Terraform, Splunk, New Relic, OpenTelemetry

AI Tools: Claude API, Claude Code, Copilot, Gemini, agentic workflows, rapid prototyping

EDUCATION

University of Texas at Austin, B.S.A. Biology

Aug 2016 - May 2020

App Academy, Full-Stack Software Development (1,000+ hours, project-based)

Jan - Jun 2021