David Gowrie

Frontend-Leaning Full-Stack Software Engineer

resume@davidgowrie.com | davidgowrie.com/resume | linkedin.com/in/davidgowrie

Frontend-leaning full-stack engineer specializing in **React**, **TypeScript**, and **modern, scalable web architecture**, with over **8 years of experience** building **high-performance, user-centered applications** and **leading technical strategy** through **collaboration across functions**. Skilled in evolving **composable design systems** and patterns, improving **developer tooling** and **engineering practices**, and applying **UI/UX best practices** to create polished, maintainable interfaces. Guided by a **product mindset** and a commitment to **craftsmanship**, I'm passionate about delivering **intuitive, accessible solutions** that simplify complex workflows and support customers, communities, and teammates.

Work Experience

Senior Software Engineer - Transfer | Plaid September 2022 - August 2024

- Owned **end-to-end development** of the customer-facing product dashboard, working **full stack** with **React**, **TypeScript**, **GraphQL**, **Node.js**, **Go microservices**, and **PostgreSQL**.
- Spearheaded a platform overhaul to **unify frontend architecture** with **component-based integrations**, promoting **modularity** and **boosting developer velocity**.
- Optimized registration and onboarding workflows, **reducing user drop-off rates by 90%** and cutting review SLAs from **7 days to 24 hours**, achieving a **7× improvement in operational efficiency**.
- Defined **technical direction** and shaped quarterly **product roadmaps**, aligning business goals with customer needs to drive new features and product improvements from inception to delivery.
- **Partnered cross-functionally** with engineering, product, and design teams to build **intuitive user interfaces** with a **composable UI design system** and integrate backend systems to create a **cohesive product experience**.

Growth Engineer - Developer Growth | Plaid January 2021 - September 2022

- Amplified conversions by **50%** through **SEO** and **UX improvements**, increasing organic traffic and registrations.
- Engineered **automation tools to streamline workflows**, boost efficiency, and eliminate operational bottlenecks.
- Built **observability** and **experimentation** frameworks, formulated hypotheses, and conducted analysis in partnership with the data science team, using a **data-driven approach** to iterate toward an **optimal UX.**

Software Engineer, Technical Lead - Web Development | Plaid January 2019 - January 2021

- Led the migration of Plaid.com to a **Next.js-based serverless CMS architecture**, cutting deployment times by **95%** (1-2 days to under an hour) and empowering marketing and product teams with self-service capabilities.
- Established **CI/CD** and **automated testing** (Jest, React Testing Library, Cypress), achieving **80% test coverage**.
- Hired and mentored **7 engineers**, improved operational processes, and set the web platform's technical strategy.

Senior Engineer, Frontend Lead | Quovo (Acquired by Plaid) January 2017 - January 2019

- Directed frontend engineering for marketing site and user dashboards, collaborating with backend teams on **system architecture**, **API design**, and integrating **Node.js**, **Python microservices,** and **PostgreSQL**.
- Drove an **accessibility overhaul**, delivering reusable **React UI components** with **100% WCAG compliance**.
- Orchestrated the adoption of **frontend best practices, mentored** engineers, and enhanced **hiring** processes.

Skills & Technologies

- **Frontend:** React, TypeScript, Redux, Next.js, Remix, SSR, JavaScript, HTML, CSS, Tailwind, Storybook, Figma
- **APIs & Backend:** Node/Express, REST, GraphQL/Apollo, WebSockets, gRPC, Python, Go, PostgreSQL/Supabase
- **DevOps & Infrastructure:** AWS, Docker, Jenkins, Git/GitHub, CI/CD, Sentry, PagerDuty
- **Testing & Quality**: Jest, RTL, Cypress, Playwright, a11y / WCAG, Core Web Vitals, Responsive design, SEO
- **Soft Skills:** Technical leadership, system architecture, code reviews, mentoring, project management

Previous Experience

- Tech Lead, Frontend @ Weber Shandwick (IPG) | March 2015 - October 2016
- Senior UI Engineer @ 360i (Dentsu) | September 2013 - December 2014
- Team Lead, Senior Frontend Engineer @ Totsy | November 2011 - May 2013
- Founder & Lead Developer @ WebModia (1099 / freelance) – webmodia.com | September 2006 - Present