

Catie Lanier

Software Engineer

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Summary

Multidisciplinary Software Engineer with 7+ years of experience delivering high-impact, full-stack solutions across enterprise and indie ecosystems. From scaling financial microservices at Scotiabank to designing real-time esports platforms and automated brand tooling, I bring a rare blend of startup agility and enterprise polish. Equally fluent in React, Svelte, Rust, and Kotlin — and just as comfortable debugging a GraphQL resolver as crafting a pixel-perfect mobile UI. Obsessed with clean code, fast ships, and accessible user experiences.

Experience

Freelance Software Engineer

Self-Employed – Remote (November 2024 – Present)

Stack: Svelte, Next.js, Vue, Firebase, Supabase, PostgreSQL, Python, Flask, Kotlin, Ktor, C#, .NET, Rust, Leptos

- Engineered a real-time scoreboard system for an esports org with automated data sync, customizable overlays, and brand integration — used live in tournament streams.
- Built a secure e-commerce platform with checkout, inventory management, and admin dashboard for a growing digital storefront.
- Developed a dynamic image generation engine to auto-render branded match graphics for social media, eliminating repetitive design work and reducing turnaround from 30 mins to < 1 min.
- Delivered a modern, SEO-optimized, accessible website for a luxury day spa, complete with service highlights and booking integration.
- Served as a one-woman tech studio, leading architecture, design, dev, and deployment across all projects — balancing client vision with performance, UX, and scalability.

Full Stack Developer

Scotiabank – Toronto, Ontario, Canada (December 2021 – November 2024)

Stack: React, Node.js, Express, Python, Oracle Responsys, Contentful, Microservices

- Architected and maintained customer lending microservices supporting applications for credit products and limit changes across millions of users.
- Built and maintained personalized lending email templates using Oracle Responsys and Contentful to support multiple languages and use cases.
- Collaborated with cross-functional teams to launch pre-approval flows for credit cards and lines of credit, integrating seamlessly with existing approval pipelines.
- Developed a CLI utility script in Python to automate localization workflows, reducing update time and human error across multiple teams.
- Played a leadership role in Agile practices, facilitating sprint planning, retrospectives, and daily standups while mentoring newer devs.

Frontend Developer

Opslock – Montréal, Quebec, Canada (April 2021 – October 2021)

Stack: Svelte, Tailwind CSS, Storybook, Go, PostgreSQL, Hasura, GraphQL, Apollo, React Native

- Built and maintained custom UI components using Svelte and Storybook, enabling rapid iteration and consistent design across the platform.

- Worked closely with backend engineers to design full-stack features using Go, GraphQL, Hasura, and PostgreSQL.
- Integrated the Svelte web platform into a cross-platform React Native mobile app, ensuring seamless parity across web and mobile environments.
- Contributed to a multi-versioned service architecture, improving maintainability and supporting tailored experiences across enterprise clients.

Frontend and Android Developer

CloudHospital, Inc – Seoul, Korea (August 2020 – March 2021)

Stack: React, Razzle, Next.js, Kotlin, Android SDK

- Led migration of a legacy Razzle SSR app to Next.js 10, improving performance, SEO, and development velocity across marketing and product pages.
- Implemented critical SEO infrastructure, including automated sitemap generation and structured data markup to improve crawlability and search ranking.
- Co-developed the company's flagship Android app using Kotlin, from initial prototyping through to production deployment on the Play Store.

Frontend Developer

Allied Technical Solutions – Scarborough, Ontario, Canada (February 2020 – March 2020)

Stack: React, Redux, TypeScript, ImmutableJS

- Rapidly contributed to multiple in-flight projects, improving feature velocity and ticket throughput during a crucial sprint cycle.
- Modernized legacy codebases by migrating from TSLint to ESLint, standardizing best practices and improving code health across teams.

Education

Web Development Immersive

HackerYou – Toronto, Ontario, Canada (April 2018 – October 2019)

- Completed a selective admission bootcamp with 800+ hours of hands-on development.
- Built production-ready projects using React, Firebase, Node.js, Express, MongoDB, and Mongoose.
- Gained deep understanding of modern web development tooling including Git, GitHub, Webpack, and NPM.

Technical Skills

Frontend: Svelte, React, Vue, TypeScript, Tailwind CSS, Sass, HTML5, CSS3

Backend & Full Stack: Node.js, Express, Python, Flask, Kotlin, Ktor, Rust, C#, .NET

Databases & APIs: PostgreSQL, Supabase, Firebase, Hasura, GraphQL, REST

DevOps & Deployment: Docker, Jenkins, AWS, Azure, Vercel

Tooling & Editors: VS Code, IntelliJ, Neovim, Emacs, Git, GitHub

Languages: Fluent in English; conversation in Korean and Mandarin