

# Software Engineer (React / Go)

Ryan PINA-SILASSE

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**Toronto, Ontario | Remote / Hybrid**

Software engineer who ships: Go + React systems handling hundreds of thousands of users. 5+ years turning legacy chaos into scalable, maintainable production code. Track record: 93% JS reduction, 3-4x performance gains, 60% cost cuts, +25% traffic growth. From architecture to monitoring, I own the full stack. End-to-end ownership: from architecture to production monitoring.

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## Technical Skills

**Programming Languages :** Go, TypeScript, JavaScript

**Frontend :** React, Next.js, Astro, React Native (Expo), TanStack Query, Tailwind CSS

**Backend :** Go (Gin, Echo), Node.js, REST APIs, GraphQL

**Databases & Cloud :** PostgreSQL, Supabase

**Testing & Quality :** Playwright (E2E), Vitest (unit), Lighthouse CI, React Testing Library

**DevOps & Tooling :** Docker, CI/CD (GitHub Actions, Vercel, Railway), Git

**Engineering Practices :** Clean Architecture, Code Reviews, Mentorship, Agile

**Languages :** French (native), English (professional)

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## Professional Experience

### Software Engineer

Oct. 2025 – Present

Midbec | Home Appliance Distributor | Drummondville, Quebec, Canada (Hybrid)

Technologies: React, Python, PHP, PostgreSQL, REST APIs, VPN (WireGuard), Linux (Ubuntu)

- Sole engineer modernizing 20-year legacy PHP/Python system serving Quebec-wide operations: leading full-stack migration to React frontend interfacing with existing Python ETL layer and ERP API handling 400K+ inventory records (scaling to 600K).
- Established development workflow and security best practices: configured VPN access, documented API architecture, and preparing CI/CD pipeline with Docker/GitHub Actions to enable faster iteration while collaborating closely with systems administrator.

### Full Stack Developer (Freelance)

Jan. 2025 – Dec. 2025

Neat Barber | Barbershop | Paris, France (Remote)

Technologies: Astro, TypeScript, WordPress GraphQL, Cloudinary, Playwright

- Rebuilt legacy jQuery site with modern Astro + TypeScript stack: 93% JS bundle reduction (600KB→40KB), Lighthouse score 68→94, 3x mobile speed improvement.
- Engineered headless CMS architecture: WordPress GraphQL API with type-safe integration, automated image optimization (Cloudinary), CI/CD pipeline with quality gates (Playwright E2E, Lighthouse CI).
- **Business impact:** 3-4x faster mobile experience, +20% customer acquisition, 60% infrastructure cost reduction (~€360/year), improved SEO ranking.

## Frontend Developer

Oct. 2022 – Oct. 2024

Konbini | Online Media | Paris, France (Hybrid)

Technologies: TypeScript, Next.js, GraphQL, WordPress, Tailwind CSS

- Homepage rebuild: migrated to Next.js SSR with GraphQL data layer, enabling real-time editorial updates and 40% faster page loads.
- Engineered custom integrations: Twitch API live stream detection, dynamic partner content injection with fallback logic.
- **Impact:** +25% monthly traffic (500K→625K visitors), improved engagement, 30% faster editorial workflow.

## Web Developer

Apr. 2020 – Aug. 2022

French Innov | Digital Solutions | Stains, France (On-site)

Technologies: JavaScript, React

- Delivered 10+ production websites with consistent 90+ Lighthouse scores across Performance, SEO, Accessibility.
- Built interactive touchscreen kiosks for high-traffic retail: real-time order systems with customer-facing UIs.

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## Education

### Bachelor's Degree in Web & Mobile Development

2021 – 2024

HETIC | Montreuil, France

**Relevant Coursework:** Software architecture, OOP, Cloud, DevOps fundamentals, Project management.

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## Projects

**Bumble B — IoT Car Control App | Tech Lead** React Native app controlling ESP32-powered autonomous car with real-time telemetry.

- **Tech Stack:** React Native, Expo, TypeScript, WebSocket, ESP32 (C++)
- Led frontend architecture and mentored 3-person team through full delivery.
- **Result:** successful project defense, graduated with honors.

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## Interests

- Judo: 10+ years competitive practice, regional medalist — discipline and continuous improvement mindset applied to software engineering.