Tel Aviv, Israel | New York, NY

Ryan Roberts

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Profile

Software engineer with 7+ years of experience building high-throughput systems, developer tools, and AI-powered applications. Experienced in designing infrastructure to handle massing workloads, with a passion for creating delightful user experiences, developer velocity, and building tools that abstract complexity.

Employment

Senior Full Stack Engineer **Spring.new** **May 2025 – Present**

- Architected a novel **LLM tool call execution** widgets UI using **Cerebras**, **Google Vertex AI**, and **QuickJS**, providing real-time dynamic visualizations of agentic tool calls.
- Led the company's **in-house database solution** with automatic snapshots, restore capabilities, import/export, and **Redis-powered platform events**—enabling users to persist data without managing infrastructure.
- Created the entire **automated E2E testing platform** using **Playwright** and **GitHub Actions**, with continuous execution across staging and production environments.
- Deployed **event-driven microservices on AWS** using **SST**, **Bun**, **Effect.ts**, and **Pulumi** for type-safe, resilient serverless workflows.
- Owned the end-to-end **user onboarding experience** with **React**, **Framer Motion**, and **Tailwind**, optimized for conversion and accessibility.

Senior Full Stack Engineer **Cymbio** **Oct 2023 – May 2025**

- Architected an external communication **audit service** (NestJS, MongoDB, AWS) capturing **300K+ records/hour**, improving platform observability and giving our internal support teams better tools to mitigate incidents.
- Led the development of a customer-facing **analytics dashboard** providing customers with full visibility into their orders, sales metrics, and operational data—improving the platform's self-service selling point.
- Partnered with DevOps and infra teams to optimize CI/CDs across all repositories, reducing the build time of our main monolith **from 20 to 4 minutes**, significantly improving deployment velocity.
- Added **anomaly detection and alerting** with NewRelic, Prometheus, and **OpenTelemetry**.
- Delivered **technical workshops** to the entire R&D team of 30+ engineers on topics ranging from observability systems, JS runtimes, and leveraging modern AI tools to help improve development velocity.

Full Stack Engineer **CityHive** **May 2021 – Oct 2023**

- Consolidated two legacy Node.js backends into a singular **Cloudflare Worker** handling **25M+ requests/day**.
- Led the design and development of a customer-facing **CMS editor** (TypeScript, Grapes.js, Ruby on Rails) used by **3,000+ businesses**, enabling non-technical users to design their own storefronts.
- Built and launched an **Add-ons Marketplace**, integrated with an existing payments platform, increasing the company's ARR by $300K+ annually, enabling third-party integrations.
- Developed a dynamic content rendering system with liquid shopify templates, custom CSS and JS, and dynamic user content deployed to Cloudflare workers.
- Created platform-agnostic UI components with Angular, Ionic, and Cordova, allowing our web front-ends and mobile apps to share the same design language.

Projects & Open Source

- **Songsterr Downloader** — Built the world's most popular website for obtaining Guitar Pro files; scaled to **500K+ daily users**, ranked #1 on Google, and generated recurring revenue. SvelteKit, Vercel
- **Skeleton.dev Contributor** — Contributor to the most popular Svelte UI component library.
- **Fretwise.ai** - Trained a state of the art automatic music transcription model with Modal - connected to a full stack SvelteKit app for generating music scores from audio.