RYAN LOWE

Tech Lead • Full-Stack Engineer

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SUMMARY

Full-stack engineering leader with 7+ years building scalable healthcare technology solutions serving thousands of daily users. Leverage AI-assisted development tools to accelerate delivery and enhance code quality. Expertise in TypeScript, React, Node.js, cloud infrastructure, and modern development practices. Track record of architecting innovative solutions including dynamic survey platforms and automated health record integration systems.

TECHNICAL SKILLS

Core Stack: TypeScript • JavaScript • Node.js • React • Next.js

Infrastructure: Terraform • Azure DevOps • AWS • Docker • CI/CD

Tools & Practices: Git • AI-Assisted Development (strategic multi-tool approach: GitHub Copilot for IDE completions, Claude Code for test generation and agentic tasks, Codex for task planning, Gemini for documentation) • API Design • Code Review

EXPERIENCE

Hugo Health | Remote

Tech Lead, Product Engineering (2020) • Software Engineer III (2019) • Software Engineer I (2018) |
May 2018 - Present

- Own full-stack architecture for Hugo Connect application serving 30,000+ active users, including infrastructure (Terraform), CI/CD pipelines (Azure DevOps), and application development (TypeScript, Node.js, Next.js, React)
- Champion AI-assisted development across the organization, strategically selecting tools for optimal use cases while maintaining enterprise code quality standards
- Leverage specialized AI coding assistants: GitHub Copilot for real-time IDE completions, Claude Code for test generation and agentic tasks, Codex for planning, and Gemini for documentation
- Architected dynamic branching survey system with visual builder featuring custom prescription lookups, interactive body maps, and complex matrix question types
- Built automated EHR integration system using AWS Fargate/Docker with Puppeteer for patient-authorized health record access across Epic and Cerner platforms, predating FHIR mandate
- Lead architecture decisions, conduct code reviews, and mentor team on modern development practices including AI-assisted workflows
- Design and implement RESTful APIs and responsive interfaces optimized for performance and user experience
- Optimized Docker images for Next.js applications, reducing build sizes by 80% and significantly improving deployment speed and resource utilization
- Drove AWS cost optimization through EKS cluster consolidation and Fargate container improvements, achieving faster EHR data pull startups and reduced network costs

Stripe | Remote

Full Stack Engineer (Contract) | March 2018 - May 2018

- Developed reusable component library with base input templates for payment processing interfaces

PREVIOUS EXPERIENCE

Salesforce Development & IT Leadership | 2013-2017

Saint Leo University • International Living Future Institute • Phillips Contracting • Lumenal Lighting

Led enterprise application development and technology operations across multiple organizations. Managed cloud migrations, systems administration, and custom application development.

Systems & Network Administration | 2005-2013

Vesta Property Services • CR Techs • Englewood On-line • Microtek

Provided IT support, systems administration, and network management across multiple organizations. Specialized in hardware troubleshooting, network infrastructure, and end-user technical support.