

Héctor Hernández Cruz

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SUMMARY

Senior Full-Stack Engineer with 9+ years of experience across the full stack, building React/TypeScript frontends, Node.js and Go backends, AWS cloud infrastructure, and production AI systems powered by LLMs and RAG pipelines. Proven track record of delivering large-scale, production-grade systems in English-first, globally distributed teams.

WORK EXPERIENCE

Curie Health

Jul 2024 - Present

Senior Full-Stack Engineer

San Francisco, CA, United States

- Developed and optimized full-stack applications using React + TypeScript + GraphQL and Node.js, improving API performance and reducing response latency by up to 42% across multiple product areas
- Built and maintained scalable backend systems using Go and Node.js, working with distributed architectures, PostgreSQL, and Redis for high-volume data processing
- Developed clinical AI and data-intensive microservices for real-time patient intake workflows and clinical data ingestion using Go, gRPC, and GraphQL
- Contributed to production LLM systems, including RAG pipeline development with LangChain and PostgreSQL vector search, improving response accuracy and reliability in production environments
- Deployed and operated cloud-native systems on AWS (EC2, S3, RDS, Kubernetes) and integrated LLM infrastructure using AWS Bedrock and GCP Vertex AI in production environments

Ashby

Jun 2022 - Jun 2024

Software Engineer

San Francisco, CA, United States

- Developed React + TypeScript + GraphQL frontend features across multiple product areas
- Developed and optimized Node.js + GraphQL APIs, improving data-fetching performance and reducing average response time by 42%
- Worked with distributed systems handling large volumes of data using PostgreSQL and Redis caching
- Contributed to Go backend services alongside Node.js, gaining experience with high-performance concurrent systems
- Deployed and maintained services on AWS with Kubernetes and GitHub Actions CI/CD in a fully async remote-first environment

Bazaarvoice

Jul 2019 - Apr 2022

Software Engineer

Austin, TX, United States

- Developed and maintained React + JavaScript storefront components for ecommerce review and ratings features
- Built and optimized Node.js REST APIs integrating third-party review aggregation services, reducing data sync latency by 11%
- Optimized PostgreSQL queries for product analytics, cutting report generation time from 8s to 1.2s
- Migrated frontend modules from JavaScript to TypeScript, improving code reliability and reducing runtime errors
- Contributed to AWS infrastructure work (EC2, S3, RDS) and resolved production incidents within SLA through on-call rotations

Self-Employed Contractor

Jan 2017 - May 2019

Freelance Software Engineer

Austin, TX, United States

- Delivered full-stack web applications for small businesses and early-stage startups across the US, primarily using JavaScript, React, and Node.js
- Built e-commerce storefronts, marketing sites, and backend REST APIs supporting retail and hospitality clients
- Collaborated directly with non-technical stakeholders to define requirements, iterate on features, and deliver production-ready applications
- Worked with Git-based workflows and agile-style development processes in client-driven environments

EDUCATION

The University of Texas at Austin

Aug 2015 - May 2019

Bachelor of Science, Computer Science

Austin, TX, United States

KEY SKILLS

- **Frontend:** TypeScript, JavaScript, React, Next.js, Tailwind CSS, HTML, CSS, GraphQL
- **Backend:** Node, Go, Python, gRPC, REST APIs, Prisma ORM
- **Cloud:** Amazon Web Services (AWS), Kubernetes, Docker, Terraform, CI/CD, GitHub
- **AI/LLM:** LangChain, Retrieval-Augmented Generation (RAG), OpenAI API, AWS Bedrock, GCP Vertex AI, Prompt Engineering
- **Databases:** PostgreSQL, MySQL, Redis, Apache Kafka
- **Architecture:** Microservices, Distributed Systems, System Design
- **Monitoring & Testing:** Datadog, Prometheus, Jest, Cypress