

Raq Robinson

Full-Stack Software Engineer · AI First Development · React Design Systems · Accessible Web Platforms
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SUMMARY

Full stack software engineer with more than five years of experience delivering production software, including one year building production AI systems through an AI first development workflow. Uses Claude Code, Cursor, and AI coding agents daily to plan, implement, test, review, and ship production applications while maintaining quality through evaluation, automated testing, and human review. Brings deep React and TypeScript expertise building reusable component libraries, design systems, page templates, and accessible experiences for large, content rich web platforms, paired with experience developing APIs, relational data layers, containerized applications, and continuous delivery pipelines across healthcare, financial services, and government.

TECHNICAL SKILLS

AI-First Development: Claude Code, Cursor, agentic workflows, AI generated code validation, Anthropic Claude, OpenAI, tool orchestration, MCP, RAG, evaluation, red teaming, LangGraph, Langfuse, LangSmith

Frontend and CMS: React, Next.js, TypeScript, Sitecore, Cloud CMS, reusable component libraries, design systems, page templates, responsive design, WCAG 2.1 AA, Figma implementation, Tailwind CSS

Backend & Data: Node.js, Express, FastAPI, REST APIs, PostgreSQL, Redis, SQL, Pinecone, WebSockets

Cloud and Delivery: Docker, Terraform, CI/CD, AWS, monorepos

Testing & Quality: Playwright, Jest, React Testing Library, k6, TDD, security testing, technical documentation

PROFESSIONAL EXPERIENCE

GauntletAI | *AI Engineering Fellow* — Remote + Austin, TX

Feb 2026 – Jun 2026

- Shipped AI applications on weeklong delivery cycles using Claude Code, Cursor and agentic tools for planning, implementation, testing, review, and deployment.
- Developed agent orchestration systems, RAG pipelines, evaluation frameworks, and applications supporting real time collaboration across healthcare, financial services, government, and enterprise use cases.
- Created implementation plans, automated validation checks, adversarial evaluations, tracing, and human review processes to improve the reliability of AI generated code.

Recurse Center | *Program Participant* — Remote

Mar 2026 – May 2026

- Self directed programming retreat focused on AI systems, software design, technical experimentation, and peer code review.

MassMutual | *Full-Stack Developer (Advanced)* — New York, NY (Remote)

Nov 2020 – Jan 2025

- Designed and built reusable React components and design system patterns for customer facing experiences, improving development velocity by 20 percent while supporting consistent WCAG 2.1 AA accessibility standards.
- Developed and maintained digital experiences in Sitecore and Cloud CMS while working on the Content Strategy and Planning team, supporting reusable content and component patterns across high traffic pages and multiple sites.
- Built responsive React and TypeScript interfaces and collaborated directly with product, design, content strategists, and engineering partners to deliver financial tools and digital experiences used by millions.
- Contributed to the modernization of a legacy financial platform, supporting an infrastructure migration completed with zero downtime and improving reliability across application services.
- Resolved more than 2,400 Snyk security findings, including 47 classified as critical or high severity, and helped establish code review, accessibility, testing, and security practices.

Engineering Consultant | *Freelance Software Engineer* — Brooklyn, NY

Apr 2017 – Nov 2020

- Developed multilingual Ruby on Rails functionality for government applications serving more than 200,000 users and delivered frontend, backend, and data integration features based on stakeholder requirements.

Dell EMC | *Process Improvement Engineer* — Franklin, MA

Aug 2014 – Feb 2017

- Led data driven process improvement initiatives across engineering and operations in a 90,000 square foot production facility, improving workflows and communicating technical findings to nontechnical stakeholders.

RELEVANT PROJECTS

CollabBoard — Real-Time Collaborative Application with AI Agent

React 19 · TypeScript · Node.js · WebSockets · Yjs · Supabase · Anthropic API

- Built a collaborative whiteboard with cursor synchronization below 50 milliseconds and Yjs conflict resolution for more than five concurrent users.
- Integrated an AI agent that translates natural language requests into whiteboard actions across more than six workflow categories.

AgentForge — Healthcare AI Agent for OpenEMR

TypeScript · Node.js · Anthropic Claude (raw SDK) · FHIR R4 · OpenEMR

- Developed a clinical query agent designed for HIPAA regulated healthcare environments, with a registry scoped to each patient and ten structured tools for retrieving and interpreting healthcare data.
- Implemented multistep orchestration, validation, memory, and error recovery, achieving a tool execution success rate above 95 percent.
- Created a 125 case evaluation suite covering correctness, safety, and adversarial inputs, achieving an 87 percent pass rate
- Used the Anthropic SDK directly to control tool execution, state management, and validation, with LangSmith tracing for latency, token usage, tool activity, errors, and debugging.

ShipShape — Code-Quality Audit · U.S. Department of the Treasury

TypeScript · React · Express.js · PostgreSQL · WebSockets · Playwright · k6

- Audited a TypeScript and Node.js monorepo across type safety, bundle size, API latency, PostgreSQL performance, test coverage, error handling, and WCAG 2.1 AA accessibility.
- Used Playwright, k6, and PostgreSQL EXPLAIN ANALYZE to identify and resolve N+1 queries, missing indexes, inefficient data access patterns, and performance regressions.
- Delivered a prioritized remediation plan and repeatable validation process for technical and government stakeholders.

LegacyLens — Enterprise Document Intelligence

Python · FastAPI · Pinecone · OpenAI Embeddings · Anthropic SDK

- Built a RAG pipeline using Python, FastAPI, Pinecone, OpenAI embeddings, and the Anthropic SDK.
- Indexed more than 10,000 lines of legacy content and achieved retrieval precision above 70 percent within the top five results, with response times below three seconds.
- Implemented syntax aware chunking with embedding generation, metadata filtering, and semantic reranking.
- Added evaluation and logging workflows to measure retrieval quality and investigate incorrect or incomplete responses.

EDUCATION

Georgia Institute of Technology — M.S. Computer Science (OMSCS) Admitted for Fall 2026

Flatiron School — Full-Stack Web Development Program 2020

Northeastern University — M.S. Industrial Engineering 2016

Harvey Mudd College — B.S. Engineering 2010