

Corey Byrum

STAFF SOFTWARE ENGINEER · FULL STACK & MOBILE · REMOTE
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SUMMARY

I'm a staff-level engineer who owns products from idea to deliverable. Ten years across web, backend, and native iOS at PlayStation, CrossFit, Stanford Health Care, and now Archer Aviation. Remote since 2018.

SKILLS

Languages	TypeScript, JavaScript, Swift, Python, SQL
Frontend & Mobile	React, Next.js, React Native, SwiftUI, The Composable Architecture (TCA), Mapbox, Storybook
Backend & Data	Node.js, PostgreSQL, REST API design, multi-tenant architecture, system & schema design, domain modeling
Platform	Monorepos (Turbo), Vite, Docker, AWS, GitHub Actions, CI/CD, feature flags & A/B testing
Design Systems	Cross-platform component libraries, design tokens, Figma, responsive design, accessibility
AI Tooling	Claude Code (skills, plugins, hooks), MCP server development, agent workflows for engineering teams

WORK EXPERIENCE

Staff Software Engineer · Archer Aviation

REMOTE | 2025–

- Lead developer on Archer Command, covering live airline ops and eVTOL flight test
- Built the passenger booking iOS app in SwiftUI and The Composable Architecture
- Made it multi-tenant: each operator gets an isolated Postgres database, resolved per request
- Established the design system spanning web, React Native, and iOS
- Built the team's AI tooling: an MCP server and custom Claude Code skills

Senior Frontend Engineer • CrossFit, LLC

REMOTE | 2022–25

- Built the company monorepo: auth, design system, and API interfaces for every React app
- Created the CrossFit Map with Mapbox + React
- Perf refactor: load time 3.6s → 1.38s, page finish 33s → 9s
- Headless Shopify + WordPress powering registration and marketing

Frontend Engineer • Stanford Health Care

PALO ALTO, CA | 2021–22

- Migrated the MyHealth patient web application from Angular to React

UI Engineer • PlayStation

SAN MATEO, CA | 2019–21

- Built and maintained DesignKit, PlayStation's design system, in Next.js
- Shipped the annual Wrap-Up experience, seen by millions of players

Frontend Engineer • Learn on Demand Systems (Skillable)

REMOTE | 2018–19

- First remote role; the nomad experiment starts
- Interfaces for hands-on lab training platforms

Software Engineer • 3M Health Information Systems

WALLINGFORD, CT | 2016–18

- B.S. Computer Science, East Carolina University, 2016
- First production systems in healthcare information

INDEPENDENT WORK

Founder • Outer Peak Software LLC

REMOTE | 2025–

- Independent studio doing full-stack web and mobile, architecture through deployment
- Building Kura, the studio's own product
- CrossFit platform work as the founding client

EDUCATION & CERTIFICATIONS

B.S. Computer Science, East Carolina University, 2016
AWS Certified Solutions Architect — Associate