

Caleb Coverdale

Senior iOS Developer

Production SwiftUI app. Voice AI pipeline. Offline-first sync. v1.0 in App Store review.

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EXPERIENCE

Technical Co-founder (iOS Engineer)

2025 – Present

AurorionTech

- 180-file SwiftUI app with SwiftData and Swift Concurrency — v1.0 in App Store review
- Real-time voice pipeline: Azure Speech → LLM reasoning → ElevenLabs synthesis, all streaming
- Offline-first architecture with sync queues, conflict resolution, and SSE live updates
- H3 hex-grid geospatial indexing for location-based character discovery
- Full system integration: App Attest, StoreKit, WidgetKit, On-Demand Resources
- Swift CLI tools for bundle validation, CDN sync, and automated XCAssets generation

Genius Bar Technician

2013 – 2017

Apple Inc.

- #1 ranked in Western Canada for appointment efficiency (30+ daily, 8-min average)
- ACiT and ACMT certified — deep understanding of Apple hardware and ecosystem
- 4 years of explaining technical problems to frustrated users — shapes how I build UX

TECHNICAL SKILLS

iOS Frameworks: Swift, SwiftUI, SwiftData, Observation, CoreLocation, WidgetKit, StoreKit, App Attest

Architecture: MVVM, Offline-first, Swift Concurrency, Protocol-oriented, Feature modules

Tooling: Xcode, Fastlane, Swift CLI, Pkl Codegen, SPM, Gitea Actions

Audio & AI: Azure Speech, ElevenLabs TTS, Azure OpenAI, AVFoundation, Real-time streaming

Geospatial: H3 hex grids, CoreLocation, MapKit, Spatial indexing

ADDITIONAL EXPERIENCE

Synergi-FX (2017–2018)

IT for oil and gas clients. First time I had to figure out infrastructure problems nobody else wanted to touch.

- Azure AD hybrid sync migration across multiple sites
- Phishing susceptibility: 33% → 0.3%
- Sub-6-hour ticket resolution

Provision Infotech (2018–2022)

Employee #001. Built the technical side of the company from nothing, supporting 10+ midstream energy operators.

- Built the zero-trust remote access platform that replaced 80+ field portals
- Managed 75+ Linux servers with Ansible
- On-call for plant monitoring — prevented multiple shutdowns

NorthRiver Midstream (2022–2023)

Cloud infrastructure for 600+ endpoints. Got deep into Azure FinOps and Kubernetes.

- First AKS deployment at the company
- \$300K annual savings through FinOps analysis
- Built monitoring across the full endpoint fleet

Tourmaline Oil (2023–2024)

OT software developer. Inherited a platform and made it work for the people who actually use it.

- 1,500+ users
- 200+ security cameras
- 400+ remote resources

- \$40K/month cost reduction

PROJECTS

Zero Trust Remote Access Platform

Replaced 80+ separate field operator portals with one app. Air-gapped, on-prem, zero-trust.

TypeScript · NestJS · NextJS · MongoDB · Prisma · Docker · Harbor · NGINX · Azure DevOps · Ansible

90% Field operator adoption **\$40K** Monthly cost reduction **75+** Sites integrated **24→3** Server consolidation

Aurorion iOS App

Walk to a location, discover a historical figure, have a voice conversation with them. Sole engineer, co-founded with a CEO.

Swift · SwiftUI · SwiftData · Cloudflare Workers · Hono.js · tRPC · D1 · Azure OpenAI · ElevenLabs · H3

v1.0 In App Store review **3.1K+** Commits in 2025 **49** Repos managed **15** Day commit streak

Right-Sized Infrastructure

Took the same patterns I used on enterprise Azure (registries, CI/CD, mesh VPN, monitoring) and ran them on ARM hardware at near-zero cost. Proves the architecture scales in both directions.

Podman · Harbor Registry · Caddy · Tailscale · WireGuard · Gitea · Gitea Actions · Radxa ROCK 5B

~\$0 Monthly infra cost **3** ARM nodes in production **CI/CD** Same pipeline pattern as enterprise **24/7** Monitoring + alerting