# Caleb Coverdale

## Senior Platform Engineer

$300K annual cloud savings. First AKS deployment. 75+ servers under Ansible. 600+ endpoints monitored.

UK · calebcoverdale@me.com · linkedin.com/in/caleb-coverdale-29b31752

## EXPERIENCE

### Cloud Infrastructure Engineer
2022 – 2023

NorthRiver Midstream

- Led the company's first AKS deployment, establishing containerized workload patterns
- Identified $300K in annual cloud savings through Azure FinOps analysis and right-sizing
- Developed the monitoring and alerting platform for 600+ mission-critical endpoints, reducing mean-time-to-detection
- Managed hybrid cloud networking, firewall rules, DNS, and identity across on-prem AD and Azure AD

### Founding Engineer — Infrastructure
2018 – 2022

Provision Infotech

- Automated 75+ Linux server fleet with Ansible playbooks and role-based configs
- Migrated Windows Server 2008/2012 systems (12+ year uptimes) to Server 2016 with MDM and remote device management
- Managed network infrastructure: firewall rules, DNS, VPN tunnels, and site-to-site connectivity for 10+ operator sites
- Docker + Harbor registry pipeline serving 10+ midstream operator environments

**CURRENT PROJECT**

### Technical Co-founder (Platform)
2025 – Present

AurorionTech

- Self-hosted CI/CD on ARM64 — same pipeline patterns as enterprise Azure, near-zero cost
- Pkl config-as-code generates all environment configs from a single source of truth
- Three-environment deploy pipeline (debug/preview/release) with automated migrations

## TECHNICAL SKILLS

**Cloud:** Azure, AKS, Cloudflare Workers, Azure Functions, FinOps

**Automation & IaC:** Ansible, Azure Bicep, Terraform, Pkl, Gitea Actions, Azure Pipelines

**Monitoring:** Grafana, Sentry, Datadog, Azure Monitor, Netdata, PostHog

**Containers & Orchestration:** Docker, Podman, Kubernetes, Harbor, Multi-arch builds

**Networking:** Zero-trust, Tailscale, WireGuard, NGINX, Caddy, Pomerium

## ADDITIONAL EXPERIENCE

### Apple Inc. (2013–2017)

Genius Bar technician. This is where I learned that technical skill means nothing if you can't explain it to someone who's frustrated.

- #1 ranked in Western Canada for appointment efficiency
- 30+ daily appointments, 8-minute average resolution
- ACiT and ACMT certified

### 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

### 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