Caleb Coverdale

Senior Cloud Engineer

8 years on Azure. $300K annual FinOps savings. First AKS deployment. Zero-trust for air-gapped OT networks.

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EXPERIENCE

Cloud Infrastructure Engineer
2022 – 2023
NorthRiver Midstream

- Identified $300K in annual cloud savings through Azure FinOps analysis and resource right-sizing
- Led the company's first AKS deployment for containerized workloads
- Developed the monitoring and alerting platform for 600+ mission-critical endpoints
- Managed cloud networking, NSGs, firewall rules, DNS zones, and hybrid AD identity for 600+ users

OT Software Developer
2023 – 2024
Tourmaline Oil

- Cloud-hosted OT platform serving 1,500+ users with 400+ remote resources
- Reduced cloud and platform costs by $40K/month through optimization
- Zero-trust access patterns for air-gapped industrial control networks

Founding Engineer — Cloud & Infrastructure
2018 – 2022
Provision Infotech

- Azure AD hybrid sync migration across multiple client sites
- Managed firewalls, DNS, VPN tunnels, and site-to-site connectivity for 10+ operator environments
- 75+ Linux servers and Windows Server 2008→2016 migrations managed with Ansible and MDM

> **CURRENT PROJECT**
>
> #### Technical Co-founder
> 2025 – Present
> AurorionTech
> - Serverless API on Cloudflare Workers edge with D1, R2, and tRPC
> - Right-sized infrastructure: enterprise CI/CD patterns on ARM hardware at near-zero cost

TECHNICAL SKILLS

Cloud Platforms: Azure, Cloudflare Workers, AKS, Azure Functions, D1, R2

Containers: Docker, Podman, Kubernetes (AKS), Harbor, Multi-arch builds

FinOps & Monitoring: Azure Cost Management, Grafana, Sentry, Datadog, Azure Monitor

Infrastructure as Code: Azure Bicep, Terraform, Pulumi, Pkl, Ansible

Networking & Security: Zero-trust, Tailscale, WireGuard, Pomerium, Air-gapped networks

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

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