

MICHAEL ZARRAS

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PROFILE

Engineer and founder who ships production software inside unfamiliar systems under ambiguity, then drives adoption with the teams that use it. Builder of production agentic AI tooling — a custom GitLab MCP server on AWS Bedrock AgentCore Gateway and an internal support agent adopted team-wide within the first week on a new platform — while operating identity and authentication infrastructure at airline scale. Health-tech founder building with medical data, clinical integrations, and privacy constraints. Primary language Python, with daily agentic development in TypeScript. AWS DevOps Engineer – Professional certified.

INDEPENDENT WORK

CorrelateWell — Founder & Full-Stack Engineer 2025 – Present

Health-tech application correlating continuous glucose monitor data with workout and lifestyle data.

- Built and shipped an end-to-end iOS app (React Native/Expo, Node.js/Express, AWS — Lambda, EC2, RDS, DynamoDB, Bedrock, PostgreSQL) as sole engineer from zero to production, including Dexcom/Libre CGM and self-hosted Nightscout integrations, a FIT-file workout parser, a glucose-route map, and iOS widgets.
- Designed a batched micro-prompt architecture on AWS Bedrock with FDA-safe observational language for safety-first health guidance; HIPAA/PHI handling and security treated as design constraints from day zero.
- Grew beta to 20+ users including endocrinologists from Yale and Stanford; alumnus of Founder University Cohort 11.
- Also builds TypeOneZen, an iMessage AI agent for type 1 diabetes on the same Nightscout data layer (deterministic automations + LLM fallback).

EXPERIENCE

Lead Developer, Authentication Platform — Delta Air Lines Feb 2026 – Present

Atlanta, GA

- Lead engineer for Delta's central authentication platform, serving 20B+ requests per month at 99.9999% reliability across a multi-region AWS deployment used by every internal and customer-facing Delta application.
- Within the first week on the team — before having deep domain knowledge of the system — built a Claude-powered support agent that triages access-denied errors by querying API policy configuration, DynamoDB records, API Gateway logs, and common failure modes such as case-mismatched client IDs. Now used team-wide; resolves support questions in ~5 minutes that previously required significant manual log investigation.
- Own architecture decisions for identity, SSO (Ping), and OAuth flows across the platform.

Lead Developer, GitLab Platform — Delta Air Lines Jan 2025 – Feb 2026

Atlanta, GA · Hired direct after 2.5 years contracting through Mphasis Stelligent

- Led a 6-month migration of Delta's self-hosted GitLab to GitLab SaaS, coordinating across all Delta engineering teams to ensure continuity for thousands of developers.
- Designed and shipped a custom Model Context Protocol (MCP) server for GitLab — 28 tools across 4 Lambda targets, fronted by AWS Bedrock AgentCore Gateway with Ping SSO — letting Delta engineers work with GitLab agentially through Claude and other LLM clients while preserving enterprise auth, audit, and access controls.
- Post-migration, pivoted from platform operations to improving developer experience within Delta's Developer Experience org.

Mphasis Stelligent — assigned to Delta Air Lines Apr 2022 – Jan 2025

Senior Cloud Engineer (Jun 2023 – Jan 2025) · DevOps Engineer (Jun 2022 – Jun 2023) · DevOps Intern (Apr 2022 – Jun 2022)

- Lead engineer for Delta's GitLab platform from project inception through three years of operation; architected and executed the on-prem to AWS migration (~12 months), establishing multi-region high availability for 5,000+ engineering users with zero downtime.
- Performed 10+ complex platform upgrades with zero customer-impacting downtime; reduced manual platform changes by 80% through CI/CD automation and infrastructure as code.

SKILLS

AI / Agentic Systems: Anthropic Claude (API + Bedrock), Model Context Protocol (MCP), AWS Bedrock AgentCore Gateway, prompt engineering, evaluation frameworks (evals), agent skills, multi-tool agent design

Languages: Python (primary), JavaScript/TypeScript (Node.js, React Native, Express), Bash

Identity & Auth: OAuth 2.0, OIDC, SAML, SSO, Ping Identity, OPA (Open Policy Agent), multi-region high-availability authentication at enterprise scale

Cloud & Infrastructure: AWS (Lambda, EC2, RDS, DynamoDB, Bedrock, IAM, API Gateway, ECS, EKS, ROSA, CloudFormation, CDK), Terraform, Docker, Kubernetes, OpenShift

DevOps & Data: CI/CD (GitLab CI, GitHub Actions, Argo CD), observability (Dynatrace, Grafana), multi-region deployments, disaster recovery, SRE; PostgreSQL, Redis, DynamoDB

CERTIFICATIONS & ACHIEVEMENTS

- AWS Certified DevOps Engineer – Professional (2024)
- Abbott World Marathon Majors — 3 finishes (Berlin, New York City twice); Eagle Scout (2018)