

Ethan Hutchison

Cloud & Data Engineer · AWS Infrastructure · Data Pipelines · Production GenAI

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Cloud & data engineer with **5+ years** shipping production systems on **AWS**. I design Well-Architected, multi-tenant infrastructure end-to-end in **Terraform** (ECS Fargate, RDS, VPC, KMS, IAM/ABAC) with keyless **GitHub OIDC CI/CD**, build **ETL/data pipelines**, and deliver production **generative AI on Anthropic**. Enterprise-proven at FedEx, where I contributed to a **\$500M** cloud-migration initiative, and I keep sharpening that AWS depth through independent client engagements. Architecture to production, fast. **AWS certifications in progress**.

AWS & CORE TECHNOLOGIES

AWS	EC2 · ECS Fargate · S3 · EFS · RDS Postgres · VPC · ALB · Route53 · IAM / ABAC · KMS · Secrets Manager · CloudWatch / CloudTrail · Lightsail	IaC & DevOps	Terraform · GitHub Actions (OIDC) · Docker · CI/CD · multi-env (stage/prod) · Jenkins · cloud migration
Data & Backend	ETL / ELT · PostgreSQL · SQL / NoSQL · schema design · Python · Java / Spring Boot · REST APIs · Convex	Generative AI	Anthropic API · agentic / multi-agent AI · Amazon Bedrock · prompt engineering · RAG
Observability	Dynatrace · Sentry · PostHog · Splunk · AppDynamics	Frontend	TypeScript · React · React Native / Expo · Tailwind · Agile / SCRUM

EXPERIENCE

FedEx · Software Developer II, Cloud & DevOps

Remote · Jun 2021 – Present · 5 yrs

Promoted Intern (2021) → Developer I (2022) → Developer II (2023) · maintains 13 enterprise applications

- Led the organization's **first migration from Jenkins to GitHub Actions** across **~15 applications**, standardizing automated **CI/CD** (build, test, deploy) and a build-once-promote release flow that became the template for future conversions.
- Contributed to a **\$500M mainframe-retirement initiative**, migrating mission-critical FedEx Freight systems from legacy infrastructure to modern **cloud**.
- Administered **13 enterprise Java/Spring Boot apps** (configuration, security patching, IAM, production troubleshooting); raised **test coverage to 80%** and cut refactoring time **~50%** with AI-assisted analysis.
- Built **GitSync** (PowerShell) for safe, auditable batch Git-repo migration during FedEx Freight's multi-billion-dollar corporate separation.
- Drove DevOps modernization (retired **90+** redundant config-server instances via a shared config service) and presented roadmaps to **400+ stakeholders**.

Light Works Studio · Independent Cloud & Data Consultant

Remote · 2024 – Present

Independent client engagements and self-built products, sharpening hands-on AWS, data-engineering, and GenAI delivery.

- **AWS platform & Orqstrate (product)**: Designed and deployed a **multi-tenant AWS platform end-to-end in Terraform** (ECS Fargate, RDS Postgres, S3/EFS, VPC, ALB) with **KMS per-tenant envelope encryption**, IAM/ABAC, and **GitHub OIDC** keyless CI/CD across two isolated environments. Built **Orqstrate**, an **Anthropic**-powered agentic platform that runs fleets of AI agents in isolated Fargate/Docker workers.
- **DMP (client engagement, 2026)**: Built a Python **email-to-ERP ETL pipeline: OCR extraction (~95% accuracy)** of purchase orders into **Epicor** at ~220 orders/day. Designed the data flow, **schema migrations**, and the validation / human-in-the-loop layer.
- **Talking Bibles Intl. (client engagement, 2025–Present)**: Recovered a fully compromised **AWS environment (EC2, S3, Lightsail, Route53, IAM)** and designed a **3-month stabilization program** (DR, centralized secrets, 24/7 monitoring).
- Shipped production apps **built on Anthropic** (LymeTrack, FermentBuddy) from architecture through release, with Sentry/PostHog observability.

SELECTED PROJECTS

Orqstrate **AWS · ANTHROPIC**

Agentic AI platform on AWS · Terraform · ECS Fargate · RDS · KMS multi-tenant · Anthropic.

LymeTrack **ANTHROPIC**

Health-tracking app · React Native · Expo · Convex real-time · Clerk · 200+ tests.

FermentBuddy **ANTHROPIC**

React Native 0.81 / Expo SDK 54 · Convex serverless · EAS · Superwall.

Genni

B2B lead-gen SaaS · Python FastAPI multi-agent · Convex · Stripe · sub-100ms pipeline tracking.

EDUCATION & CERTIFICATIONS

B.S., Computer Information Science

College of the Ozarks · Point Lookout, MO · 2022

AWS CERTIFICATIONS · IN PROGRESS

Cloud Practitioner (exam scheduled) · **Solutions Architect – Associate** (2026)