

# Adnan Khan

Sr. Director of AI Engineering · DevSecOps · Platform Engineering · Agentic AI

[adnan@adnankhan.me](mailto:adnan@adnankhan.me) · 714-381-8975 · Dallas, TX · [adnankhan.me](http://adnankhan.me) · [linkedin.com/in/passionateforinnovation](https://linkedin.com/in/passionateforinnovation) · [github.com/adnanafik](https://github.com/adnanafik)

US Patent #7,924,881 · MBA · UC Irvine (A+)

## PROFESSIONAL SUMMARY

---

Hands-on engineering leader with 15+ years building high-performance DevOps platforms and, most recently, production Agentic AI systems. Recruited by a startup CEO to build an AI engineering practice from zero — shipped a production multi-skill AI agent for Terraform automation in 5 months, achieving 3–5× performance improvement over ChatGPT and Claude on the same tasks. Rare combination of deep developer roots, DevOps/IaC expertise, and AI systems leadership. Co-founded SalesIntel as CTO, architecting and building a SaaS platform from scratch. MBA from UC Irvine · US Patent holder · Built and led teams from 2 to 15+ engineers.

## EXPERIENCE

---

### Sr. Director of Engineering (AI) · DuploCloud

*Nov 2025 – Mar 2026 · Remote · Recruited directly by the CEO to build the Agentic AI practice from zero*

- Designed and shipped a production multi-skill Agentic AI platform in Python: engineers submit Terraform tasks via UI → async queue (NATS JetStream) → 11 specialized orchestrated skills → validated GitHub PR, end-to-end in under 10 minutes.
- **3–5× faster** — benchmarked against ChatGPT and Claude on identical Terraform tasks.
- Platform architecture: stateful Kubernetes containers with PVC/EFS persistence, NATS/SSE real-time event streaming, configurable timeouts with graceful cleanup — cloud-agnostic (AWS/GCP/Azure) and extensible to multiple agents.
- Optimized LLM performance through prompt caching, minimizing model turns, smart repo context compression, and skill specialization.
- Introduced AI-powered UI workflows that reduced engineering task turnaround across the org.

### Director of DevOps · Fabletics

*Feb 2020 – Nov 2025 · Dallas, TX · Promoted Manager → Sr. Manager → Director*

- Built the DevOps team from **2 to 15+** engineers supporting 4 brands (Fabletics, FabKids, Savage X Fenty, TechStyle).
- **1,000+ deployments/day** — Architected hybrid on-prem + AWS CI/CD platform from scratch.
- **\$1M+ annual cloud savings** through AWS optimization — rightsizing, reserved instances, and architectural changes without impacting reliability.
- Led full Kubernetes platform buildout and containerization across all 4 brands — standardizing infrastructure across 4 separate engineering orgs.
- Designed enterprise-grade IaC with Terraform/Terragrunt — versioned, modular, reusable, eliminating config drift.
- Established DevSecOps standards org-wide — OWASP scanning, Aqua container security, compliance automation in every pipeline.

## Engineering Manager, DevOps · cxLoyalty

Jan 2019 – Feb 2020 · Plano, TX

- **40 minutes → one click · adopted as company gold standard** — Designed and built end-to-end CI/CD system (Jenkins, Helm, Nginx Ingress, EKS).
- Built shared pipeline library integrated with 30+ Spring Boot microservices.
- Implemented Service Mesh (Istio), PCI compliance scanning (OWASP/Aqua), and secure Terraform/Terragrunt IaC.
- Directed team of 6 engineers.

## Director, Hybrid Cloud & DevOps · GDT — General Datatech

May 2018 – Dec 2018 · Dallas, TX · Appointment announced via company press release

- **\$350K+ revenue in first 6 months** — turned DevOps group from cost center to revenue generator.
- Evangelized cloud/DevOps services to 100+ hardware sales managers across 400+ existing customers.
- Hired company's first DevOps sales manager.

## Senior Operations Manager, DevOps & NOC · Comtech Telecommunications

Oct 2014 – Jan 2018 · Orange County, CA

- **99.999% SLA for Verizon, Amazon, Sprint** — Led 22-person DevOps and NOC organization.
- Drove CI/CD transformation from siloed manual deployments to self-service pipelines for dev and QA teams.
- Managed 7 server-side engineers (US + China) powering Verizon Navigator, Amazon Fire navigation, and Verizon Family Locator.

## Co-Founder & CTO · SalesIntel, Inc.

Jun 2014 – Mar 2015 · Orange County, CA

- Co-founded and served as CTO — architected and built a SaaS social networking platform for sales professionals from scratch: multi-tenant, cloud-native, Agile/Scrum.
- Designed and implemented full-stack platform using PHP/Slim, PostgreSQL, RESTful APIs, Lucene/Solr search, and AWS (S3, SQS) — with 2 million dynamically generated SEO pages driving organic traffic.

## Sr. Software Engineering Manager · Smith Micro Software

Jan 2008 – May 2014 · Orange County, CA

- Built and led distributed team of 14+ engineers across US, Canada, Serbia, Korea, China — delivering wireless communication software for Verizon and major OEMs (Samsung, LG, Motorola, HTC).
- Worked directly with Intel and Google on mobile communication software for Chrome OS.

## Sr. Software Manager · Zetera Corporation

2005 – 2007

- Conceived and implemented solution to UDP data corruption in IP networking.
- US Patent #7,924,881.

## FEATURED OPEN-SOURCE PROJECTS

---

### ops-pilot — Autonomous CI/CD Incident Response

[github.com/adnanafik/ops-pilot](https://github.com/adnanafik/ops-pilot) · Python · MIT · Live demo available

- Multi-agent AI system that watches CI/CD pipelines, diagnoses failures with Claude, writes the fix, and opens a draft PR — unattended. Four coordinated agents (Watcher → Diagnoser → Fixer → Notifier).

### **retro-pilot — Autonomous Incident Post-Mortem Engine**

*github.com/adnanafik/retro-pilot · Python · MIT · Live demo available*

- Hierarchical multi-agent system: Orchestrator coordinates six specialists. LLM-as-judge scoring with bounded revision loop. Post-mortems stored in ChromaDB so future incidents learn from past ones.

## **CORE SKILLS**

---

**AI & Agents:** Agentic AI · Multi-Agent Orchestration · LLM-as-Judge · LLM Engineering · Prompt Engineering · Prompt Caching · Claude (Bedrock) · ChromaDB / Vector Stores · Pydantic · Python

**DevOps & IaC:** Terraform · Terragrunt · Kubernetes · Helm · CI/CD · Jenkins · GitHub Actions · Docker

**Cloud & Infra:** AWS · Hybrid Cloud · EKS · EFS · NATS JetStream · SSE · DevSecOps · OWASP · SRE

**Leadership:** Team building (2 → 15+) · 0 → 1 platform builds · Cross-functional leadership · Hiring & mentoring

## **EDUCATION**

---

### **MBA, Finance & Strategic Innovation · Grade: A+**

University of California, Irvine — Paul Merage School of Business (2011–2013) · Alpha Beta Gamma Award

### **Master of Computer Science**

University of Karachi