

# LANCE BAGGETT

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## SOLUTIONS ARCHITECT & PLATFORM ENGINEER

Solutions Architect and Platform Engineer with 8+ years designing, deploying, and automating cloud-native infrastructure across AWS, GCP, Azure, and on-premises environments. Proven expertise in Kubernetes orchestration, Infrastructure as Code, containerized application delivery, and zero-trust network architecture — with production deployments on Cloudflare (Pages, Workers, Tunnels, DNS, Access) and all three major cloud providers. Brokered and delivered technical workshops with Google Cloud, AWS, HashiCorp, Docker, Rancher Government Solutions, Microsoft, GitLab, Red Hat, and Cisco — translating complex infrastructure into executable solutions for engineering and executive audiences. Built and shipped production AI-integrated applications independently — including a live mobile app on the App Store and Google Play powered by OpenAI GPT-4, and a real-time voice platform built on the Anthropic Claude SDK. Active TS/SCI Security Clearance. CISSP certified.

- Cloud Architecture (AWS, GCP, Azure)
- Kubernetes/ Container Orchestration
- IaC (Terraform, Ansible)
- Zero Trust Network Architecture
- CI/CD & GitOps (ArgoCD, Pipelines)
- AI/ML Integration (OpenAI, Claude, Gemini)
- Cloudflare (Pages, Workers, Tunnels)
- Full-Stack & AI Integration
- Multi-Cloud Architecture

## EDUCATION

**Graduate Certificate: DevOps** | University of Chicago Professional Education

**Bachelor of Science** | Electrical & Information Technology Systems (EITS) | United States Military Academy

## CERTIFICATIONS | TRAINING

**CompTIA** | Security+

**CompTIA** | Advanced Security Practitioner (CASP+)

**Certified Information Systems Security Professional (CISSP)** | ISC2

**IC Agency Internship** | Summer 2016 & Summer 2017

## PROFESSIONAL EXPERIENCE

**United States Army** | *Various Locations*

**2017 – Present**

**IT Director & Founding Technical Lead** | **Special Operations** | *CONUS*

**2025 – Present**

Technical leader overseeing a DoD enterprise global network — directing platform engineering, network operations, software development, and OCONUS datacenter operations across a global infrastructure serving tens of thousands of users.

- Overseeing platform migration from RKE2 to AWS EKS across 100+ clusters — managing technical direction, stakeholder coordination, and transition from development to production operations at enterprise scale.
- Lead network automation platform leveraging AWX, Ansible, and Nautobot to auto-provision 100+ edge computing and network node kits across the DoD enterprise — thousands of network devices serving tens of thousands of users globally.
- Drive all technical innovation and modernization across the enterprise network — from architecture and adoption through implementation and operations — across concurrent platform, network, and software delivery programs.

**Senior Platform Engineer & DevOps Lead** | **Special Operations** | *CONUS*

**2023 – 2025**

Designed, built, and delivered cloud infrastructure, DevOps automation, and security platforms at the intersection of military operations and modern software engineering. Served as technical architect and lead engineer across AWS, GCP, Kubernetes, Terraform, Ansible, and Cloudflare environments.

- Authored Ansible playbooks automating K3s cluster deployment, Docker installation, and containerized service provisioning (Matrix-Synapse, Gitea, Dokuwiki, Nextcloud, MISP) across Ubuntu 22.04 nodes on AWS and GCP.
- Authored Terraform configurations provisioning AWS EKS clusters, EC2 instances, IAM roles, VPCs, and security groups; built reusable module patterns for multi-cloud deployments across AWS, GCP, and Azure.
- Built AWS CodePipeline CI/CD workflows with CodeBuild — source to Docker image build to ECR push to EKS deployment. Parameterized buildspec.yml for environment portability across regions.
- Architected and deployed a Kubernetes operational stack on Harvester HCI: TAK Server, Prometheus/Grafana observability, Longhorn persistent storage, Wazuh SIEM/HIDS, VPN-hardened access (Twingate/NetBird), and

**Senior Platform Engineer & DevOps Lead** (*Continued*)

- Designed and ran a one-week hackathon deploying TAK Server, Harbor, Keycloak, Prometheus/Grafana, and 7+ integrated services on Harvester HCI with VLAN segmentation and mesh networking — under operational time pressure with live judging.
- Designed and delivered a zero-budget DoD Cloud/DevOps program — authoring all labs, playbooks, manifests, and pipelines — graduating 30+ engineers across 3 iterations. Brokered live workshops from 9 industry partners integrated directly into course delivery.
- Generated \$500K+ in documented cost avoidance by replacing vendor-delivered training with internally authored, scalable DevOps curriculum and reusable IaC pipelines.

**IT Director & Infrastructure Lead | Military Intelligence Battalion | Joint Base Lewis-McChord, WA** **2020 – 2021**

Principal technical advisor to the Battalion Commander for 280+ personnel across classified and unclassified networks.

- Administered 100+ device network across classified and unclassified domains — zero security incidents throughout tenure.

**IT Director & Communications Lead | South Korea and Joint Base Lewis-McChord, WA** **2017 – 2019**

Directed communications and network operations, enhancing system resilience, integration, and secure, continuous mission capability.

- Maintained 99% uptime for on-site communications, implementing 4 levels of redundancy across all network nodes to ensure continuous operational capability.
- Restored a critical communications terminal link, ensuring uninterrupted delivery of radar telemetry data from launcher platforms to the United States Forces Korea (USFK) command center.
- Engineered and installed two redundant line-of-sight links between site nodes, eliminating single points of failure and ensuring continuous radar telemetry delivery to USFK command.
- Directed management of \$10M–\$16M in mission critical communications equipment while maintaining 100% network security compliance.

**TECHNICAL PROJECTS**

**FaithFlow (Launched Jan/26)** | React Native, Expo, TypeScript, Supabase, OpenAI GPT-4, RevenueCat  
Personalized Bible learning app live on App Store and Google Play. 100+ lessons, AI-generated learning paths, offline-first SQLite caching, gamification. 66% faster load times.

**Transition Command (Launching soon)** | Next.js 15, React 19, TypeScript, Supabase, OpenAI, Stripe, Cloudflare Pages  
Full-stack military transition platform with AI-powered task engine, job tracking Kanban, resume analysis, and BDD claim wizard. 20+ API routes, 50+ components, PWA with offline capability.

**Nexus** | React, Go, Docker SDK, Prometheus, WebSocket, JWT, SQLite  
Self-built infrastructure command center with 8 views, 37+ API endpoints, Go agent binary for node metrics/container management, real-time WebSocket streaming.

**Mom GPT** | Python, FastAPI, Twilio, Deepgram, ElevenLabs, Claude/Anthropic SDK, WebSocket  
Real-time AI voice coaching platform with live STT transcription, natural voice synthesis, and Claude-powered intelligent responses.

**Learn Things Online** | Next.js 14, TypeScript, Supabase (RLS), Stripe, Resend  
LMS/CRM with role-based access, Stripe auto-enrollment, cohort management, analytics dashboards, and multi-tenant Row-Level Security.

**Portfolio Command** | Node.js, Express, Vanilla JS, Docker  
Single-page executive portfolio dashboard using a relational graph architecture. Military-style PPM with RAG status tracking, 8-week Gantt sync matrix, readiness monitoring, POAM management. Dockerized with persistent volumes.

**TECHNICAL COMPETENCIES**

**Infrastructure & Orchestration:** Kubernetes, Docker, Harvester, Proxmox, Vmware, Portainer

**Cloud & IaC:** AWS (EC2, EKS, ECR, IAM, VPC), GCP, Azure, Terraform, Ansible

**Security & Identity:** PKI/Certificate Management, Wazuh SIEM, Authentik, Twingate ZTNA, WireGuard, Keycloak

**Observability & CI/CD:** Prometheus, Grafana, Gitea, Harbor, ArgoCD, Github

**Supabase:** PostgreSQL, Auth, Row-Level Security (RLS), Edge Functions, Storage, Realtime

**AI/ML:** OpenAI, Anthropic Claude SDK, Twilio, Deepgram, ElevenLabs, spaCy NLP, MCP

**Cloudflare:** Pages, Workers, Tunnels, DNS, Access, Zero Trust