

# ANDY AKOTIA

AI / Software Engineer • U.S. Marine Corps Veteran

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Portfolio: [andyakotia.dev](https://andyakotia.dev)

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## SUMMARY

AI engineer and Marine Corps veteran who designs, builds, and ships production LLM applications end to end. Architected and operate APEXCOMMAND, a live multi-agent AI platform used by real beta testers: a routing layer coordinates 14+ specialized agents that act across a user's connected tools (Gmail, Calendar, Slack) with human-in-the-loop approval, backed by RAG document intake, multi-tenant cloud, and a full DevSecOps pipeline. Completing a B.S. in Information Systems & Cyber Security (4.0 GPA).

## TECHNICAL SKILLS

**AI / LLM:** Multi-agent orchestration, agentic workflows, tool/function calling, Retrieval-Augmented Generation (RAG), prompt engineering, prompt caching & cost optimization, LLM evaluation, MCP-style connectors; OpenAI, Anthropic (Claude) & ElevenLabs APIs

**Languages:** JavaScript (ES2022), Node.js, SQL, HTML/CSS; TypeScript & Python (working knowledge, actively strengthening)

**Web / Backend:** React, React Native (Expo), REST APIs, Node.js (ESM), Supabase (Postgres / Auth), Stripe, Brevor

**Cloud / DevOps / Reliability:** Render, Netlify, Git/GitHub, GitHub Actions CI/CD, Docker; cloud-native deploys, health checks & keep-warm, structured logging, latency/throughput telemetry, graceful degradation

**Security:** DevSecOps (Trivy, Semgrep, gitleaks), AES-256-GCM at-rest encryption, OAuth, CSP nonces & SRI, SSRF / CSRF / prompt-injection hardening, CASA Tier 2 (DAST)

## SELECTED PROJECTS

**APEXCOMMAND — Multi-Agent AI Chief-of-Staff Platform | Founder & Engineer** 2025 – Present

- Architected and shipped a production multi-agent LLM platform: 14+ specialized agents coordinated by a routing layer with certainty-gated handoffs and a strategic meta-agent; live with real beta users.
- Built an approval-gated action layer (approve-then-execute) across Gmail, Calendar, and Slack — the model drafts every action and nothing runs without a human yes; designed for safe automation of real workflows.
- Engineered a multi-tenant cloud backend (Node.js, Supabase auth & per-user workspaces, runtime isolation) with AES-256-GCM at-rest encryption, encrypted OAuth tokens, and self-serve password reset.
- Built a RAG pipeline (PDF / Excel / text intake to a per-user knowledge base) and wired per-agent personas, server-side voices, and prompt caching to cut latency and LLM cost.
- Stood up a DevSecOps CI/CD pipeline (GitHub Actions + Trivy, Semgrep, gitleaks) with per-request CSP nonces, SRI, SSRF / prompt-injection guards, and a CASA Tier 2 security review; secrets in env, actions pinned to commit SHAs.
- Instrumented live reliability: a 4-state presence machine, health checks and keep-warm to avoid cold-start gaps, voice retry/cache, and on-screen latency/throughput telemetry.

**Surge — iOS Mobile App | Founder & Developer** 2025

- Built and shipped a React Native (Expo) app to TestFlight beta: full account lifecycle (create / delete / password reset), App Store-compliant in-app paywall, and media handling.

**Royal Athletes — Sports Training Platform | Founder & Developer** 2024 – Present

- Built a React Native + web training platform on Supabase with a 260+ drill engine that renders animated SVG diagrams from structured data.

## PROFESSIONAL EXPERIENCE

**Campus Security Officer | Forman School — Litchfield, CT** Feb 2025 – Nov 2025

**Offensive & Defensive Coordinator | Millbrook School — Millbrook, NY** Jun 2022 – Feb 2025

## MILITARY SERVICE

**Infantry Rifleman (0311) | United States Marine Corps** Jul 2018 – May 2022

- Executed tactical operations within a rifle squad and coordinated joint missions across 10+ units; leadership and performance under pressure.

**Awards:** National Defense Service Medal, Global War on Terrorism Service Medal, Overseas Service Ribbon, Navy Arctic Service Medal, Humanitarian Service Medal.

## EDUCATION

**B.S., Information Systems & Cyber Security | Columbia Southern University** In Progress — GPA 4.0/4.0