

Emmanuel Akanmu

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SUMMARY

Software Engineer who sees the structural delta between how a system works and how it should work, then builds the AI to close that gap. Shipped an MCP-based infrastructure agent at Walmart that replaced entire manual workflows. Strongest in reactive, high-leverage environments: hand me a broken system and I'll map it faster than your team can explain it. Targeting Forward Deployed Engineer, Founding Product engineer roles at frontier AI companies. Active Secret clearance. CS degree in 3 years.

EDUCATION

University at Buffalo, Bachelors in Computer Science 2022 – 2025
Buffalo, NY

WORK EXPERIENCE

Walmart Global Tech, Software Engineer- Infrastructure AI 02/2026
Bentonville, AR

- Shipped an MCP-based infrastructure "Super Agent" that autonomously retrieves system context across Confluence, Jira, and ServiceNow, replacing manual L2 lookup workflows for infrastructure teams.
- Architected multi-tool orchestration layer enabling the agent to chain operational workflows (incident triage, runbook retrieval, ticket creation) in a single conversational interface.
- Reduced average infrastructure question resolution time from ~15 min manual search to under 2 min via agent..

Walmart Global Tech, Software Engineer Intern - Infrastructure AI 2025
Bentonville, AR

- Built a Microsoft Copilot-based chatbot with custom system instructions routing to Confluence FAQ, serving as an internal knowledge interface for infrastructure teams;
- Co-engineered a real-time observability pipeline unifying server logs and metrics into a diagnostic stream; reduced incident triage time ~30%.

US Air National Guard, Medical Logistics Specialist 06/2021 – present
Niagara Falls, NY

- Active Secret Clearance
- Built a demand-forecast model for quarterly planning; prevented 4 stockouts/quarter, avoided ~\$20K in expedited shipping.
- Delivered compliance reporting that reduced audit findings ~40%.

SEO, Tech Developer Intern 06/2023 – 08/2023
Remote

- Shipped 3 full-stack web apps (Flask, MySQL, JS); ran 5+ stakeholder demos and integrated feedback into two iterations per sprint.

PROJECTS

FDD Engine 06/2026
AI-automated Franchise Disclosure Document annual updates for US franchisors. Next.js, Postgres, Claude Opus, S3 per-tenant, Inngest. 23-item extraction pipeline with dry-run mode. Live/shipped.

Distillation Pipeline 01/2026
Published technical post (LinkedIn + GitHub) on model distillation workflow design. First public technical artifact.

Walmart MCP Agent 03/2026
Published LinkedIn writeup on the infrastructure agent architecture and MCP integration patterns.

SKILLS

Technical

Python, JavaScript/TypeScript, React, Next.js, Node.js, PostgreSQL, Claude API (Opus), MCP Protocol, Inngest, Docker, AWS S3, Flask, SQL, Git, Palantir Foundry (AIP, Ontology, Workshop), Microsoft Copilot Studio

Soft Skills

Elite communication, Problem-solving, Teamwork, Adaptability, Curiosity, Critical thinking, Research depth, Strategic analysis, Presentation & storytelling, Leadership potential, High emotional intelligence, Rapid learning.