

Emmanuel Akanmu

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Software Engineer building production AI and automation systems. At Walmart, shipped an incident-response agent spanning four enterprise systems and cut context-gathering time from about 15 minutes to under 2. I use operational data to find the right problem, prototype quickly, and turn the strongest approach into a reliable system. Active Secret clearance; completed CS degree in three years. More projects at website.

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

- Built and launched an AI incident-response agent that connected four enterprise systems and cut context-gathering time from about 15 minutes to under 2.
- Split the agent into four independently deployable services across five repositories, improving testing, fault isolation, and incremental delivery.
- Analyzed 454 production incidents, identified 160 automation candidates across six categories, and developed seven opportunities projected to save 185 to 200 engineering hours per quarter.
- Found and corrected 10 issues in my analysis before leadership review, including a duplicate metric and four missing safety controls.
- Divided delivery into low-risk phases and removed external access dependencies from the critical path.
- Maintained a 100% success rate across 55 builds, averaged under four hours per pull request, and ranked among the top 5 of 31 engineers for AI-assisted production output.
- Compared three internal AI automation tools and identified the capability gaps leadership should prioritize.

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 single diagnostic stream; reduced incident triage time ~30%.

US Air National Guard, Medical Logistics Specialist

06/2021 – present
Niagara Falls, NY

- Active Secret clearance; built forecasting that prevented 4 quarterly stockouts and avoided ~\$20K expedited shipping; 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

Palantir Foundry Incident Triage Agent

04/2026

- Built an end-to-end incident workflow in Palantir Foundry using live data, Ontology objects, AIP reasoning over runbooks, and a human-approved remediation action.

Catalyst Radar

03/2026

- Built a Python event-detection engine that scanned 163 perpetual markets every five minutes. Backtested 482 live alerts, found that the signal decayed after one hour, and rejected the original trading thesis.

FDD Update Engine

05/2026

- Building a FastAPI and Claude workflow that compares real year-over-year franchise filings across all 23 FDD items and produces attorney-reviewable tracked changes instead of free-form drafts.

SKILLS

Languages & Frameworks

- Python, TypeScript/JavaScript
- FastAPI
- React,
- Next.js,
- Node.js
- PostgreSQL,
- SQL

Engineering & Product

- Distributed systems
- Infrastructure automation
- Incident response
- Root-cause analysis
- Operational data analysis
- Backtesting
- Phased delivery
- AI safety and governance

AI Systems

- LangGraph
- MCP tool servers
- ReAct agents
- Tool orchestration
- Enterprise retrieval
- Evaluation
- Prompt engineering

Platforms & Infrastructure

- REST APIs
- Job queues
- Kubernetes
- Docker
- AWS S3
- CI/CD
- OpenTelemetry