Oluwatofunmi Badejo

Software Engineer | AI & Data Systems | Cloud & Production Reliability
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SUMMARY

Computer Science student who builds, tests, deploys, and evaluates software across web applications, AI, data, cloud infrastructure, and security. I work with Python, FastAPI, Next.js, Phoenix/Elixir, PostgreSQL, Docker, GIS workflows, automated testing, and production-readiness validation. My projects focus on reliable behavior, measurable acceptance criteria, and clear release decisions.

WORK EXPERIENCE

AI Trainer: Software & Product Evaluation Expert
Handshake AI Fellowship | Remote
Feb 2026 - Present

- Evaluated AI-generated software projects and model outputs for usability, logic, technical accuracy, requirement fit, and production risk.
- Reviewed agent-built applications for product judgment, implementation quality, acceptance criteria, safety boundaries, and release readiness.
- Wrote structured technical feedback for AI systems used in software development and product evaluation tasks while following confidentiality guidelines.

Community Donations Center Ambassador
Savers | Providence
Apr 2023 - Aug 2024

- Managed donor intake, item sorting, donor questions, and donation-area organization during busy operating periods.

SELECTED PROJECTS

GeoVisLM
Python/FastAPI GIS and scientific visualization project for terrain analysis, vector overlays, reports, dashboard runs, and GeoMiniLM workflow evaluation.

- Built terrain workflows for DEM inputs, slope, hillshade, risk maps, output browsing, and report generation.
- Added dashboard support for projects, runs, validated uploads, lifecycle history, authentication, bearer access, and optional PostGIS storage.
- Checked Docker Compose paths with dashboard, worker, PostGIS, persistent output storage, health checks, and readiness checks.
- Kept GeoMiniLM out of production after candidate 0bc44b0 scored 0.6475 against a required 0.7600.

SysEthic
Local security-operations workspace for telemetry, incidents, audit history, playbooks, controlled validation events, and approved response actions.

- Completed automated security-critical coverage for authentication, permissions, audit logging, approval floors, route inventory, invalid input rejection, exception sanitization, and fail-closed response behavior.
- Added controlled validation events for CPU pressure, memory pressure, suspicious network activity, and sensitive-file access; kept full acceptance blocked for a P1 issue and remaining manual checks.

FitTrack
Phoenix/LiveView fitness workspace for workout logging, reusable plans, nutrition, exercise media, workout history, and strength tools.

- Added explicit workout lifecycle states: draft, active, completed, and discarded.
- Added immutable origin snapshots so completed workout history stays stable after plans, exercises, or source templates change.
- Verified lifecycle behavior with mix precommit passing 275 tests and production media coverage across 488 templates.

Command Center
Next.js App Router workspace for agency morning briefings, proposal generation, proposal persistence, and deployment readiness checks.

- Added domain-aware proposal drafts for website, finance, school, medical, and custom project types.
- Checked production /api/health in database mode with migrations ready and demoFallbackAllowed: false.
- Confirmed a controlled production proposal survived redeployment and left rollback as the remaining readiness item.

EDUCATION

Plymouth State University
B.S. Computer Science, in progress
Started Aug 2024

Community College of Rhode Island
A.S. General Studies
Aug 2019 - May 2022

SKILLS

Languages: Python, JavaScript, Elixir, HTML, CSS
Frameworks: FastAPI, Next.js, Phoenix/LiveView
Data & Infrastructure: PostgreSQL, PostGIS, Docker, GIS workflows
Engineering: Git, automated testing, API development, CI/CD, production-readiness validation, acceptance testing
AI & Evaluation: AI software evaluation, model-output evaluation, acceptance criteria, safety boundaries