Ademola Arigbabuwo

Chicago, IL | adeinmyworld.com | LinkedIn/ademolabuwo | GitHub/AdemolaAri

SUMMARY

Senior software engineer who leads features end to end on a retail media advertising platform, from design spike to production. I work across Java and Python services, Angular front ends, cloud infrastructure, release pipelines, and incident response, and I build AI-assisted tooling that makes on-call faster and better documented.

EXPERIENCE

84.51° (Kroger Precision Marketing) | Chicago, IL **January 2023 – Present**

Senior Software Engineer | May 2024 – Present

- Led the design spike and end-to-end build of a new video creative type with a branded end card across a Spring Boot service, a WebFlux API gateway, and the Angular web app, including on-demand MP4 export, three canvas sizes, and an auto-approval flow.
- Took ownership of backend production releases: built Prepare, Deploy, and Rollback workflows for two more services, retired a legacy blue/green path, and fixed four bugs in the existing pipeline, putting four services on one release model.
- Overhauled the team's incident response: audited alerting across five services, moved every monitor into Terraform, built an on-call hub of 12 runbooks tied to those monitors, and refined escalation.
- Built a Claude Code skill on the Datadog MCP server that lets any engineer investigate a firing alert and update its runbook from live log evidence; prototyped a Jira MCP server and an AI reviewer agent that scores monitor quality for noise, coverage, and actionability.
- Designed and shipped a view-only access role enforced across two services and both API versions, with contract tests for each role.
- Root-caused and fixed production issues including a message-bus startup race that blocked deploy health checks, a database migration that crash-looped staging, and video jobs killed by the wrong timeout; added per-step timing metrics to the asset pipeline.
- Shipped a new versioned keyword recommendations endpoint in a Python FastAPI service with zero changes for existing clients, and migrated four infrastructure repositories to Spacelift and OpenTofu with no destructive changes.
- Embedded with the reporting team to speed up an analytics dashboard by loading only the open tab’s data with caching, and added browser tracing for every report step.
- Reviewed 138 pull requests across 20+ repositories in 2026, against 106 of my own merged.

Software Engineer | January 2023 – May 2024

- Built and maintained FastAPI services powering core platform APIs, plus background workers on Azure Service Bus and RabbitMQ queues and topics.
- Designed a MongoDB change data capture service on change streams and Azure Service Bus, using distributed locking and idempotent processing to prevent duplicate work.
- Helped migrate services from PCF and on-prem infrastructure to Azure Kubernetes Service, and standardized shared Terraform modules, Azure PostgreSQL, and Key Vault integration.
- Built Angular features with NgRx and RxJS in an Nx monorepo, including config-driven UI that renders forms and workflows from structured configuration.

Aetna/HDMS, a CVS Health Company | Software Engineer | Chicago, IL **August 2020 – January 2023**

- Worked in an agile setup that accelerated a software rebuild project by 20%.
- Maintained and refactored legacy code, reducing system downtime by 15%.
- Resolved 90% of production issues within the same business day through independent troubleshooting.
- Kept a 99% defect-free codebase through code reviews, unit testing, and mentoring.
- Built APIs and backend improvements that cut server-side response times.

National Opinion Research Center (NORC) | Data Analyst | Chicago, IL **December 2019 – August 2020**

- Cut data delivery time from one month to two weeks through automation pipelines.
- Ran 10+ experiments that improved recruitment, communication, and loyalty metrics by 12% on average.
- Automated data cleaning, saving 40+ hours of work per month.
- Analyzed complex datasets in Python, R, and SQL to deliver recommendations to stakeholders.

LEADERSHIP & IMPACT

- Mentored 4 interns and 6 junior engineers; 80% were promoted to mid-level within 18 months.
- Led onboarding and technical ramp-up for 15+ new team members.
- Represented engineering at recruiting events, helping hire 10+ engineers.

EDUCATION

University of Illinois Chicago | Chicago, IL
Master of Science, Business Analytics [Data Science | Machine Learning | Artificial Intelligence]

Western Illinois University | Macomb, IL
Master of Arts, Economics [Post-Baccalaureate Certificate, Business Analytics]

University of Lagos | Lagos, Nigeria
Bachelor of Science, Actuarial Science & Insurance

TOP SKILLS

Languages: Java | Python | TypeScript | Go | SQL
Back-End: Spring Boot | Spring WebFlux | FastAPI | MongoDB | PostgreSQL | Cosmos DB | Redis | Azure Service Bus | RabbitMQ
Front-End: Angular | Nx | NgRx | RxJS
Cloud & Infra: Azure | AKS | Kubernetes | Terraform | OpenTofu | Spacelift | Docker | Helm | GitHub Actions | Harness
Observability: Datadog | Monitoring | Logging | Alerting | Distributed Tracing
AI & Tooling: Claude Code | MCP Servers | OpenAI APIs | Google ADK
Testing: Jest | Playwright | Postman

CERTIFICATIONS & AWARDS

AWS Fundamentals Certificate
DeepLearning.AI TensorFlow Developer Certificate
Google IT Automation with Python Professional Certificate
Meta Global Hackathon Winner