

Harrison Obiorah

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Software Engineer with 8+ years of experience building full-stack and distributed systems, with a background in product management. Proven track record delivering scalable APIs, real-time systems, and cloud infrastructure across fintech, e-commerce, and startup environments. Strong in backend development (Java/Spring), cloud (AWS), and DevOps (Docker, Kubernetes, Terraform), with a product mindset for building user-centric solutions end-to-end.

Technical Deep-Dives: [\[Link\]](#) — *Walkthroughs of React Native Google Auth setup, S3 File upload Architecture, and Expo mobile notification architecture and setup*

EDUCATION & TRAINING

Georgia Institute of Technology

Atlanta, Georgia

BS in Computer Science with threads in People and Info networks

May 2012 - May 2016

- **GPA:** 3.90/4.00, highest honors
- **Relevant Courses:** Database Systems, Systems & Networks, Data Structures & Algorithms, Object Oriented Programming, Information Security, Human-Computer Interaction Research and Design, Psychology, Requirements Gathering

WORK EXPERIENCE

Golf Vista (startup)

February 2026 - Current

Software Engineer

- Leading zero-to-one full-stack web and mobile development of a service provider app with payment authorization, payment distribution, user authentication (OAuth2), and real-time GPS tracking of service providers. The app enables a customer to select screened service providers with automated payment and customer rating.
- Designed and implemented backend data models and REST APIs with Spring Boot and PostgreSQL
- Built real-time mobile trip tracking for active jobs using expo-location and Google Maps APIs
- Developed end-to-end service provider onboarding and screening workflow to streamline verification
- Built in-app messaging system and push notification pipeline (Expo/Firebase)
- Integrated Stripe/Paystack webhooks for subscription billing and payment distribution.
- Drove product feature definition and prioritization, translating business needs into shipped functionality.

Home Depot

September 2025 - February 2026 (contract)

Technical Product Manager

- Back-end: Owned GraphQL Tier-1 Product Information API (Spring Boot) powering add-to-cart experiences.
- Led decomposition of product API into a new domain-focused microservice to reduce infrastructure costs and improve p95 response times and developer velocity.
- Partnered closely with engineering to define and ship backend improvements in performance, cost, and reliability.
- Led requirements definition and alignment to enable a \$40M-\$60M opportunity that provides overseas military families and diplomatic staff the ability to purchase eligible ship-to-home items.
- Contributed to code reviews and backend system design decisions.
- Led Google Cloud infrastructure and logging optimizations, reducing costs by ~\$345K annually.
- Improved conversion by shipping UI updates to product pages, reversing a -9% decline to +3%.

Clarity (startup)

March 2023 - September 2025

Full Stack Software Engineer

- Led zero to one development of a full-stack e-commerce and content monetization platform for creators.
- Built REST APIs, database schemas, and core platform features using Node.js, Express, PostgreSQL, and MongoDB
- Developed subscription and one-time payment systems using Stripe
- Built responsive frontend using React and integrated user-facing workflows end-to-end
- Deployed and managed applications on AWS using Docker, Nginx, and EC2
- Owned product feature development lifecycle, from requirements to deployment and iteration

ScienceLogic, Mclean, VA

Technical Product Manager, Software Development Toolkit

July 2019 - August 2022

- Led development of a Python-based low-code toolkit enabling users to build IT monitoring applications. Toolkit goals: reduce internal engineering costs, accelerate development timeline of new products, and enable a partner ecosystem.
- Partnered with engineering to design APIs, documentation, developer support processes, and platform architecture.
- Defined product strategy, roadmap, and developer experience improvements.
- Launched platform adopted by enterprise partners including Dell, CDW, and Telstra.
- Built internal tools to automate KPI tracking and support data-driven product business cases

Capital One, Mclean, VA

Senior Associate, Software Engineer (DevOps & Backend Development)

December 2018 – June 2019

- Pitched and led development and deployment of real-time ATM health monitoring system for 2000+ ATMs to improve all-time low ATM availability by reducing MTTD and MTTR.

- Developed unit-tested lambda Express JS API for new source-of-truth web application that provides ATM real-time decisioning data for 100+ ATM Operation Associates.
- Led AWS go-live production deployment of 4 Node microservices to enable the use of a new central source-of-truth web application to displace a manually updated Excel file for 100+ ATM Operation Associates.

Associate, Software Engineer (DevOps focus & AWS certified)

July 2016 – December 2018

- Built and deployed Spring Boot microservice supporting real-time customer preference data.
- Scaled ATM middleware system from 200 → 2000+ ATMs across distributed infrastructure.
- Led cross-functional cloud migration effort with Cyber, Operations, Product, and Engineering to migrate ATM middle-ware Kubernetes cluster to a new and federally mandated cloud environment 3 months ahead of schedule.
- Owned Terraform infrastructure and CI/CD pipelines (Jenkins) for Kubernetes cluster and ATM middleware application.
- Implemented monitoring and alerting with New Relic, Pagerduty, and Datadog. Authored operation, disaster recovery, production support, and deployment cluster playbooks.

Agentic AI & LLM experience (python-based)

- Agent development
 - Built autonomous multi-agent research system using LangGraph and OpenAI Agent SDK APIs.
 - Create software development and investment research agents with CrewAI.
- Developed RAG pipelines using LangChain and Chroma vector database
- Deployed AI applications to HuggingFace Spaces and Modal

OTHER EXPERIENCES

PricewaterhouseCoopers(PwC), New York, NY

Summer Advisory Associate, Technology Consulting (received full-time offer)

June 2015 – August 2015

- Collaborated across firm and business stakeholders to drive and produce the first iteration of a previously non-existing Know Your Customer framework to be used at financial institution clients worth ~\$2M in business.
- Presented and defended framework and findings to the Managing Director of the Financial Service Anti-Money Laundering practice. Developed support and hand over documentations after MD's project sign-off.
- Uploaded project on PwC's internal network to enable knowledge transfer on a global scale.

General Electric - Energy, Atlanta, GA

Software Engineer

May 2014 – July 2014

- Programmatically incorporated weather overlay data into daily energy consumption charts to reveal correlations between energy consumption spikes and weather for 26,000+ consumers. Resulted in a reduction of customer service calls concerning energy bills.
- Designed and implemented new account management system with senior architect enabling small city utility supervisors to manage their employees. Developed backend API services using Hibernate and JAVA EE while implementing the UI with JavaScript Frameworks and UX design principles.

Georgia Tech Research Institute & Atlanta Area School for the Deaf

Android Engineer

August 2014 – May 2015

- Collaborated with team of 4 developers to build an Android image recognition application for deaf children that recognizes children's book pages and plays a signed video translation of the captured page.
- Architected and implemented the backend process of recognizing a book page, locating its video link, and opening the video in the application's Webview.
- Engineered the application using an external Wikitude augmented reality SDK, JavaScript, HTML, and JSON.

SOFTWARE EXPERIENCE & CERTIFICATIONS

Generative AI/LLMs(RAG, Embeddings, OpenAI, HuggingFace, LangChain, and Gradio, QLoRA fine-tuning), Docker, Kubernetes, Terraform, Node, AWS(EC2, ECS, S3, ELB, DynamoDB, RDS, route53), held AWS Solutions Architect certification as a developer, Linux, Node, Artifactory, git, HTML/CSS/JavaScript/SQL, Python, Java, Spring Boot(Spring JPA, Hibernate, Spring Security), bash scripting, PostgreSQL, MySQL, Postman, JavaScript, Secure Coding Software Engineering certificate, noSQL, Spring (Servlets), Product Management Institute [level I](#) & [II](#) certificates, SEMrush SEO training (Technical SEO, Local SEO, On-page SEO)