Joshua Ogunbo

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PROFILE

- Software engineer with 8+ years of experience building scalable, real-time distributed systems across industries using modern tools and well-versed in contemporary development patterns, prompt engineering, and integrating AI-driven features using large language models (LLMs), and also with a growing interest in leveraging generative AI for automation.

- Pursuing an MSc in Data Science and Analytics at the University of Calgary. Gaining hands-on experience with big data tools and techniques through coursework and projects, including Spark, Pandas, and advanced SQL for large-scale data analysis.

SKILLS/TECHNOLOGIES

Programming & Tools: Python, TypeScript, JavaScript, SQL, PHP, CoffeeScript, Pandas, NumPy, Spark, R, Jupyter, MapReduce, HTML/CSS

Systems & Infrastructure: Node.js, React, Svelte, Express, Kafka, RabbitMQ, Redis, Docker, GitHub Actions, Pipelines, REST API, Databases - PostgreSQL, MySQL, MongoDB, DynamoDB, Cassandra, Hive

Platforms & Automation: AWS, Azure, GCP, Prompt Engineering, LLM, Generative AI, CI/CD, Workflow, Jira, Asana, Playwright, Scripting, Zenhub, ETL, Cursor, E2E Testing, Snowflake, Airflow, Data warehouse

Professional Competencies: Agile development, cross-functional collaboration, technical communication, mentoring, problem-solving, system design thinking, leadership.

EDUCATION

Master of Data Science and Analytics   **Jan 2025 – Dec 2025 (Expected)**
University of Calgary, Canada
- Data Wrangling and Visualization
- Statistical Modeling and Inference
- Machine Learning and Predictive Analytics

Bachelor of Science, Mathematics   **Sep 2015 – Oct 2019**
University of Ilorin, Nigeria
CGPA - 4.35/5

Certifications

Google Analytics Certification   **May 2025**
Skillshop Verification

EMPLOYMENT EXPERIENCE

Senior Software Engineer   **Aug 2022 – Jan 2025**
Fooji Inc, Kentucky, USA

- Contributed to the development of scalable backend services powering Fooji's core products like *Fanfare* and *Crowdsail*, enabling real-time brand engagement campaigns that supported Fooji's mission of turning consumers into loyal fans. Helped drive interactive experiences for clients such as Amazon Prime Video and Pepsi, contributing to Fooji's broader impact of 6B+ impressions and 500K+ fan experiences worldwide.

- Contributed to the development of a robust inventory management system used by top global brands to distribute gifts and rewards to fans, powering loyalty-based campaigns and improving fulfillment accuracy across hundreds of thousands of brand-to-fan experiences.

- Built and developed internal tools that enabled project managers to plan, launch, and manage brand campaigns more effectively, resulting in increased client satisfaction and improved team efficiency during high-volume activations.

Software Engineer   **Jun 2021 – May 2023**
Collective[i], New York, USA

- Built and maintained the backend service that powers Collective[i]'s Intelligence Feed, enabling users to share insights and commentary on market trends in real-time, which kept the platform interactive and fostered deeper engagement among sales professionals.

- Contributed to the development of scalable backend services for Collective[i]'s AI-driven sales platform, supporting real-time data processing and collaboration tools that help organizations optimize their forecasting and pipeline management.

Software Engineer   **May 2019 – Jun 2021**
Naya Labs, Washington, DC, USA

- Designed and developed the 360eMed patient scheduling platform for a healthcare client, improving appointment booking efficiency and reducing no-show rates, with the project and engineering contribution featured in *Built In Africa* for its role in addressing healthcare accessibility challenges in the U.S.

- Collaborated with teams on the development of yaoApp, a mobile platform launched during the COVID-19 pandemic to help users run medical errands safely and efficiently, supporting access to pharmacies and healthcare services and addressing essential needs during lockdowns and public health restrictions.

- Contributed to the development of HeroApp, a mobile application designed to connect distressed individuals with nearby first responders, improving response times and enhancing public safety, particularly in emergencies or high-risk situations.