Charis Dawari-George

Software Engineer

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Education

African Leadership University

2026- Present, Rwanda

Activities and societies: Amazon Web Services (AWS) Student Builder Group, Frappe Club (ERPNEXT & Frappe Framework), Judges and Experts Portfolio Lead (Hult Prize @ ALU)

Chrisland High School Abuja

September 2020- July 2026, Nigeria

3x Most Resourceful (Male) 2024, 2025 & 2026 (Backed by Jetstone Education)

Technical Skills & Interests

Languages**:** TypeScript, JavaScript, Python, Java, C++. Frontend**:** React, HTML, CSS. Backend**:** Node.js, REST APIs, PostgreSQL, Redis. Systems & Infrastructure**:** Distributed Systems, Asynchronous Processing, Database Design, Payment Systems. AI/ML: AI Systems, API Integration, Prompt Engineering. Other**:** Git, GitHub, Game Development, Computer Animation. Interests**:** Wearable Technology, Quantum Computing, Machine Learning & Nanotechnology

Technical Projects: Distributed Task Queue & Job Processing System (TypeScript, Node.js, Redis, PostgreSQL)

- Engineered a distributed job-processing system for reliable asynchronous task execution, supporting job queues, worker processes, retries, scheduling, and failure handling.
- Designed a producer–queue–worker architecture using Redis and PostgreSQL, enabling multiple workers to process jobs concurrently while maintaining persistent job state.
- Implemented job prioritization, retry policies, exponential backoff, dead-letter handling, and idempotent execution to improve reliability under worker failures and transient errors.
- Built monitoring and observability mechanisms to track queue depth, job latency, throughput, failures, and worker health.

Experience

Zuri Technologies Ltd / VP of Product & Founding Engineer

June 2026- Present, Nigeria

Led product strategy and engineering of an AI-powered hospitality platform, scaling from MVP to **₦3.8M+ GMV, 1,200+ users, and 1,000+ transactions** within one month. Architected payment infrastructure, transaction processing, reconciliation, and business payouts through **Paystack** integration. Engineered backend infrastructure and core application workflows using **TypeScript, Supabase, and Railway**, including database schemas, APIs, authentication, and order management. Developed AI-driven recommendations, personalized menu experiences, and business analytics, translating operational data into actionable insights.

Avetium Consult / Software Engineer Intern (Product Development Team)

August 2025, Lagos, Nigeria.

Intern at an ISO certified company under the product development team. I contributed to the end-to-end process of designing and refining user-centric products. I supported cross-functional collaboration between engineering, design, and marketing to bring ideas to life. This involved researching the use of AI Solutions in day-to-day workflows.

Journal of Knowledge Learning and Science Technology/ Lead Researcher

November 2024-July 2025, Nigeria

Co-authored wearable tech UI study (Optimizing User Interfaces for Augmented Reality: A Simulation-Based A/B Testing and User-Centered Design Framework) using A/B testing; led experiment design & analysis; submitted to a peer-reviewed journal (reviewed and approved). Collaborated with a student of the Illinois Institute of Technology. It was accepted with minor revisions and is currently being processed for publication.