Bamgbose Christian

Software Engineer

Lagos, Nigeria | bamgbosechristian@gmail.com | +234 808 660 9436 | github.com/C-J7 | www.linkedin.com/in/christian-bamgbose

PROFESSIONAL SUMMARY

First-Class Computer Science student at the University of Lagos (CGPA 4.82/5.0) building resilient, scalable backend systems for fintech and health-tech platforms that handle real payments, transactions, and clinical data. Shipped production systems in Python, Java, Node.js, and AWS with a focus on reliability, security, and performance, alongside applied AI/ML work training clinical classifiers, building LLM-powered conversational agents, and developing speech-recognition software for underserved populations. Strong foundation in data structures, algorithms, and system design.

EDUCATION

University of Lagos (UNILAG), Nigeria **B.Sc. Computer Science** *Expected Graduation: June 2028*

Academic Standing: First Class Honours, CGPA 4.82 / 5.0

Relevant Coursework: Statistical Processing, Linear Algebra, Data Structures & Algorithms, System Analysis & Design, Concurrency in Programming, Operating Systems, Calculus I & II, Net-Centric Computing

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, Java, SQL, HTML/CSS, C, C++
Frameworks: Node.js, FastAPI, Express.js, Springboot, React, REST APIs, GraphQL, gRPC, WebSockets, Prisma ORM, Drizzle ORM, Zod
Cloud & Infrastructure: AWS (EC2, S3, CloudFront), Azure, GCP, Terraform, CI/CD, Docker, Kubernetes
Databases: PostgreSQL, MongoDB, Redis, DynamoDB, Kafka, Elasticsearch
Tools & Practices: Git, GitHub Actions, Agile/Scrum, Code Review, Automated/Unit Testing

PROFESSIONAL EXPERIENCE

CTO & Technical Lead *2025 - 2026*

ScholarArk - EdTech Startup

- Led a cross-functional team of 6 developers and 7 non-technical contributors to build and deploy ScholarArk, an AI-personalized, gamified EdTech platform on AWS (EC2, S3, CloudFront) serving students across web and mobile with an end-to-end payment system.
- Designed the architecture and database (ERD) specifications, established code-review and SCRUM standards.
- Optimized backend performance, reducing average API response time from 2.1s to 380ms through query optimization and caching.
- Set up CI/CD deployment pipelines, automated testing, and incident-response practices to keep the service reliable during peak enrollment periods.
- Facilitated communications with international stakeholders and academic partners, turning business requirements into Technical specifications.

Co-Founder & Technical Lead *2026*

Quoole Technologies

- Co-founded and led a 7-person team (5 engineers, 2 non-technical) building TrianglePay, an NFC-based tap-to-pay hardware device using a custom communication protocol, targeting financial inclusion for underbanked users and to improve the speed and ease of payments across Africa.
- Owned technical strategy across hardware, mobile app, and payment-system architecture from concept to working prototype, while self-funding development and driving early investor conversations.

Head Of Management *2024 - 2025*

ToonCentral Nigeria

- Architected the backend (Laravel, Next.js) and Paystack payment gateway for a platform hosting original African comics, directing a team of 6 engineers and 7 Artists/Animators through build and launch.
- Cut comic-page load latency from 3s to 0.2ms by implementing CDN edge caching, load-balanced media servers, and an image-caching layer.
- Grew active users 14x (500 → 7,000) over 3 months (Sep - Nov 2025) as Head of Management, leading a cross-disciplinary team of 20 across content, community, and operations.
- Helped convert the platform into a revenue-generating business, funding ongoing payouts to comic creators and engineers.

KEY PROJECTS AND VOLUNTEERING

SAABI - GTCO Squad Hackathon *saabi-squad hackathon*

- Architected a WhatsApp-based fintech platform enabling micro-businesses to process payments, manage investments, and track transactions through a conversational UI, using Node.js, FastAPI, Twilio, SquadAPI, Redis

PulseAI - Cavista Hackathon *pulseai-cavista2026*

- Built the FastAPI backend integrating the ML model, live smartwatch biometric sync (heart rate, SpO2, retinal-scan-derived blood pressure), automated Framingham cardiovascular risk scoring, and a Gemini-powered real-time medical chat agent streamed to the mobile app, addressing a real gap, where roughly 40% of Nigeria's hypertensive adults go undiagnosed.
- Designed the UI for the mobile App in Figma for tracking biometrics and exporting clinician-ready reports

Software Engineer Volunteer ***AI UNIPOD UNILAG****(UNDP-backed Innovation Pod)*

- Served as Lead AI/ML Engineer on AI Robotic Scribe, a UNDP-backed initiative building speech-recognition software for Nigerian-accented speech and speakers with cerebral palsy, to make examinations accessible for students with speech and motor disabilities.
- Contributed to MAMA-AI, an AI-powered maternal health platform letting mothers consult a conversational agent in their native language via feature phones, with automatic escalation alerts to community health workers during emergencies.
- Built internal tooling for the AI UNIPOD UNILAG hub - the official website, a booking system, and a staff clock-in system and delivered the backend for QUANTA AI, a project for external client Redwire Group of Companies.

Climate-Driven Malaria Risk Prediction & Model Explainability github.com/C-J7/malaria-climate-xai

- Led a team of 9 in building an ML pipeline predicting Malaria risk across 36 states(+FCT) for a course, Statistical Processing

Game Development Intern **NITHUB**

- Shipped 4+ games in Unity as Game Developer, Designer, and QA Tester on a cross-functional team during a game development internship at NitHub.
- Demoed "Space-On"llive, a Unity-built space-shooter, to 200+ attendees at the OmniVerse Conference.

Workspace Management System **NITHUB***(Analysis & Design of Digital Systems coursework)*

- Led a team of 5 systems analysts to design a workspace-management system for NitHub; the design was formally endorsed by NitHub for potential adoption.

Volunteer **MRIG-ICAIR 2024**

- Volunteered in event logistics for ICAIR 2024 (4th International Conference on Artificial Intelligence & Robotics), a Pan-African AI conference co-hosted by the University of Lagos and the U.S. Embassy, coordinating on-ground operations to ensure smooth execution.

TRAININGS

Sara Foundation Captech Training, Full Stack Development
NitHub HatchDev, Full Stack Developer
HNG Internship, Backend Engineering Track
NVIDIA, Fundamentals of Deep Learning
ALX, AI Career Essential, AI Literacy Training
UC San Diego, Mathematical Thinking In Computer Science