

Daniel Bubu Mawuena

Full Stack Web Developer & Cloud Architect

Innovative Full Stack Architect with expertise in building scalable, secure, and high-performance web applications. Proficient in modern JavaScript frameworks (SvelteKit, React, Next.js) and cloud infrastructure (AWS, Firebase). Proven track record leading cross-functional teams to deliver complex solutions, from esports tournament engines to DeFi analytics platforms. Passionate about merging aesthetic precision with robust backend engineering.



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Experience

KNUST

Technical Project Lead (Capstone)

Kumasi

Jan 2025 – Apr 2025

- Directed a cross-functional team of 8 engineers to develop two full-stack applications: "KNUST VIRTUGUIDE App" and "Medical Symptom Checker".
- Led Agile sprint planning, architecture design, and strict QA protocols.
- Implemented CI/CD pipelines and established coding standards with React, Node.js, Git.

🔗 <https://www.knust.edu.gh/>

Adroit 360

Intern

Community 16, Tema

Aug 2023 – Oct 2024 (Seasonal)

- Attended development programs to gain competencies and boost skills set.
- Built pixel-perfect interfaces using React and Tailwind CSS.
- Delivered production-ready features with cross-browser compatibility.

🔗 <https://adroit360.com/>

Education

Kwame Nkrumah University of Science and Technology

BSc. Computer Science

Bachelor of Science

Jan 2023 – Present

Projects

Airdrop Tracker (DeFi Analytics SaaS)

A subscription-based platform tracking crypto airdrops.

May 2025 – Present

- Architected a full-stack crypto tracking platform serving **140+ active users** with real-time data synchronization.
- Engineered a multi-wallet payment gateway using Web3 technology to abstract complexity for users.
- Implemented a secure subscription model using Firebase Auth and Firestore rules.

Tailwind, Firebase, Web3.js, React

🔗 <https://airdroptracker.app>

The Control Room (Esports Engine)

Real-time tournament management system.

Nov 2025 – Present

- Developing a high-performance tournament management system with real-time bracket updates and admin command centers.
- Implementing a secure role-based access control (RBAC) and live data syncing via Supabase.
- Designed a "Command Center" UI for tournament admins to manage scores and player stats instantly.

Next.js, Supabase, PostgreSQL, Realtime

Skills

Frontend

Architecting high-performance, accessible, and responsive component systems with a focus on complex state management and immersive animations.

SvelteKit, React.js, Next.js, Tailwind CSS, GSAP, Framer Motion, TypeScript.

Backend & Cloud

Designing scalable, secure serverless architectures and real-time data synchronization layers.

Node.js, Firebase, Supabase, AWS, PostgreSQL.

Tools & Methods

Streamlining development lifecycles through automated pipelines and user-centric design principles.

Git/GitHub, Agile/Scrum, CI/CD, Zod Validation, UI/UX Design.

Interests

Strategy & Games

Chess, Poker, Real-Time Strategy

Active Lifestyle

Basketball, Gym/Weightlifting, Football

Research & Tech

DeFi Protocols, Blockchain Architecture, System Design Patterns

Creative

Curating Music Playlists, UI/UX Exploration

Certifications

AWS Certified Cloud Practitioner

Amazon Web Services (AWS)

August 2025

Validated comprehensive understanding of AWS Cloud concepts, security, technology, and billing. Demonstrated ability to identify essential AWS services for cloud-based solutions.

🔗 <https://www.credly.com/users/daniel-mawuena>

AWS re/Start Graduate

Amazon Web Services Training and Certification

July 2025

Completed an intensive, scenario-based training program focused on Linux, Python, networking, security, and relational databases to prepare for entry-level cloud roles.

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Cybersecurity Fundamentals

IBM SkillsBuild

August 2025

Demonstrated foundational knowledge of cyber threats, attack vectors, cryptography, and security strategies to protect organizational assets.

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Cloud Computing Fundamentals

IBM SkillsBuild

July 2025

Mastered core cloud concepts including service models (IaaS, PaaS, SaaS), deployment strategies, virtualization, orchestration, and cloud security principles.

🔗 <https://www.credly.com/users/daniel-mawuena>