

BENJAMIN WILLIAMSON ASIEDU

Glasgow | 07519 501618

Email: benjamin.asiedu@benas.co.uk

Portfolio: benas.co.uk

LinkedIn: <https://www.linkedin.com/in/benjamin-williamson-asiedu/>

GitHub: <https://github.com/kingjoli/>

FULL STACK ENGINEER

Highly disciplined Full Stack Engineer with a proven track record of architecting, deploying, and maintaining **live production applications**. As the **Sole Developer** for multiple enterprise-grade platforms, I possess a comprehensive understanding of the full software development lifecycle—from initial database schema design and security hardening to FinTech integration and server-side deployment. Adept at translating complex business requirements into scalable, automated technical solutions.

With a professional background in healthcare and data administration, I bring a high level of attention to detail, strong analytical thinking, and a calm, solution-focused approach to problem-solving. I am comfortable working both independently and collaboratively, and I take pride in writing clean, maintainable code.

I am now seeking an opportunity within a forward-thinking development team where I can contribute my full-stack expertise, continue to grow technically, and build impactful digital solutions.

TECHNICAL CORE

- **Languages:** PHP, JavaScript (ES6+), SQL, Python, C#, Java, HTML5, CSS3.
- **Frameworks/Libraries:** React, Node.js, jQuery, Bootstrap 4, Chart.js, FullCalendar.js.
- **Engineering:** FinTech (Paystack), OTP Security, Cron Jobs, RBAC, REST APIs.
- **Infrastructure:** Git/GitHub, Linux Server Management, Database Normalization, Security Hardening, PDF/Report Generation, Unit Testing.
- **Other technologies:** Tempus Dominus, JQuery UI, Select2, MDI (Material Design Icons), Font Awesome 5, Toastr, DataTables, FullCalendar.js, Moment.js, CKEditor4, domPDF, PHPMailer, Android/qr-code

ENGINEERING PROJECTS

Enterprise Church Management System (CMS) | Sole Software Engineer & Architect | *April 2026 - Present*

- **Infrastructure Security:** Deployed on dedicated IP/subdomains with brute-force mitigation (15-min lockouts) and concurrent session control to ensure 1:1 user-to-device mapping.
- **Automation Engine:** Developed a minute-by-minute cron job broadcast engine for bulk communications, featuring 3-tier retry logic and resilient mail delivery logging.
- **Relational Data Mapping:** Designed a "Family Unit" architecture to manage complex household hierarchies and departmental multi-role affiliations.
- **Resource Coordination:** Integrated a FullCalendar-based scheduling engine with strict data governance to manage events, rotas, and staff allocation via AJAX type-ahead search.

Allcafenet.com (E-Commerce) | Sole Software Engineer & Architect | Nov 2025 – Present

- **FinTech Integration:** Engineered a hybrid B2C platform for the African market, integrating the **Paystack API** to facilitate high-volume mobile money and card transactions.
- **Security Architecture:** Implemented secure onboarding via **OTP (One-Time Password)** verification and built a robust session-based checkout system with persistent cart logic.
- **Business Intelligence:** Developed a real-time telemetry suite using **Chart.js** to track gross sales, inventory throughput, and revenue benchmarking against historical data.
- **Automated Logistics:** Architected an "Intelligent Stock Procurement" system with automated low-stock alerts and a granular fulfillment pipeline (New → Processed → Shipped → Delivered).
- **Observability:** Built a comprehensive system activity audit log to monitor customer registrations, product modifications, and administrative access patterns.

Gazetteer | Geo-Spatial Data Integration | Portfolio Project

- Aggregated data from multiple REST APIs (GeoNames, OpenWeather) into a mobile-first "virtual atlas" using asynchronous PHP/AJAX workflows.

PROFESSIONAL EXPERIENCE

NHS Lothian / Yourworld Nursing | Mental Health Professional | 2022 – Present

- **Crisis Management:** Execute rapid problem-solving in high-pressure clinical environments.

- **Data Integrity:** Maintain 100% accuracy in clinical documentation and Multi-Disciplinary Team (MDT) reporting.

National Health Insurance Authority | *Data Systems Clerk* | **2017 – 2020**

- Optimized data consistency and system uptime for a national-scale beneficiary database.

EDUCATION & TRAINING

- **Full Stack Traineeship** | IT Career Switch Ltd | 2023 – 2024
- **MBA Business Management** | University of the West of Scotland | 2021
- **BA Management Studies** | University of Cape Coast, Ghana | 2017

ADDITIONAL INFORMATION

- **Right to Work:** Full UK Right to Work (Family Visa).
- **GitHub:** Source code for private repositories available upon request.