

BRIAN WELOBA

Coventry, United Kingdom, +44 7512 006095, bweloba@gmail.com
linkedin.com/in/brian-weloba, github.com/Brian-Weloba

PROFESSIONAL SUMMARY

Java and Spring Boot developer with 3+ years building and running production backend systems for banks and financial institutions. Delivered 20+ production REST APIs and the Angular front ends that consume them, in regulated environments with strict release and SLA discipline. Also design, deploy and operate my own systems end to end, from API design through Dockerised deployment and monitoring on Linux. MSc Computer Science, Coventry University (Merit, Course Director's Prize). Based in Coventry, available immediately.

KEY SKILLS

Java and backend: Java, Spring Boot, Spring Security, Spring Data JPA, Jakarta EE, REST API design, microservices, WebSocket, RSocket, gRPC, Protocol Buffers, Spring AI and RAG

Frontend: Angular, TypeScript, JavaScript, HTML5, CSS3, responsive UI development

Data: Oracle DB, MySQL, Microsoft SQL Server, MongoDB, Redis, SQL query writing and optimisation, stored procedures

Infrastructure: Docker and Docker Compose, Linux, Nginx, Oracle Cloud, Cloudflare, CI/CD, Git, Prometheus and Grafana, Apache Tomcat, WebLogic

Ways of working: Agile and Scrum, code review, release and deployment support, incident triage and root cause analysis, technical documentation, stakeholder communication

PROFESSIONAL EXPERIENCE

Freelance Software Developer, Self-employed

November 2025 - Present

Coventry, United Kingdom

- Build and ship web applications for small business and startup clients: Spring Boot services, REST APIs, database schemas and the front ends on top of them.
- Take each project from first brief to live running, covering release, Dockerised deployment, domain and TLS configuration on Linux servers.
- Diagnose faults across application, database and hosting layers, then explain the cause and the fix in plain, non-technical language.
- Build AI-assisted features using Spring AI and retrieval-augmented generation (RAG).

Software Engineer, MODEFIN

February 2022 - September 2024

Nairobi, Kenya. Fintech provider delivering digital banking platforms to 65+ banks across 20+ countries.

- Maintained 99.7% platform uptime and a 4.8/5 client satisfaction rating, resolving 95% of critical issues within one hour against strict SLAs.
- Deployed on-site at CIB Bank (Jan to Mar 2024) and SBM Bank (Jul to Sep 2024) as the dedicated engineer, owning the stability of live banking channels end to end, from incident triage and root cause analysis through to deploying fixes.
- Delivered 20+ production REST APIs powering customer-facing banking features, including integrations with push notification gateways, DStv and national identity registries.
- Promoted from Spring Boot Developer to Full Stack Engineer, taking on Angular UI components alongside server-side Java services, working in Agile cycles with product, QA and operations teams.

Full Stack Developer, MyChoiceTV

June 2021 - January 2022

Nairobi, Kenya. Video-on-demand platform serving Africa and the diaspora across Android TV, mobile, tablet and web.

- Built a Spring Boot payment microservice integrated with a legacy PHP backend, cutting transaction processing issues by 40%.
- Led the Android casting feature, increasing user engagement by 30% and reducing cross-platform drop-off from 45% to 12%.
- Deployed Dockerised microservices on Linode, improving resource use and establishing repeatable deployment pipelines.

PROJECTS

Poka, real-time multiplayer card game

poka.brianweloba.dev

- Browser version of Kadi, a Kenyan card game. Spring Boot back end streaming game state over RSocket, Angular front end, MongoDB for persistence, Redis caching in-flight games so they survive redeployments.
- Grew to 1,600+ players, including 1,190 in a single day after one post on X. A returning core of regulars averages close to an hour of play a month.
- Consolidated card rules that had been implemented three times (server, browser and bots) and disagreed, into a single server-side rule engine backed by 111 automated tests.
- Operate the full stack solo on Oracle Cloud: Docker Compose, Nginx, Cloudflare, separate dev and production environments, automated deploys, and Prometheus and Grafana monitoring. Recovered the live service after the hosting provider withdrew capacity, moving to a new UK tenancy with all game data intact.

EDUCATION

MSc Computer Science, Coventry University

September 2024 - September 2025

- Merit. Course Director's Prize for Endeavour. Course Representative.
- Dissertation: Performance and Reliability Analysis of Emerging Web Communication Protocols in Turn-Based Multiplayer Gaming (WebSocket, WebTransport and gRPC).

Software Development Core, Moringa School

February 2021 - July 2021

Full-stack and mobile development in Angular, Java and Android. Certificate of Excellence.

BA Interior Design with Information Technology, Maseno University

August 2016 - November 2020