

# Winfred Mawuli Agbotey

## Backend Engineer | Salesforce Administrator

LinkedIn Profile: [linkedin.com/in/winfred-mawuli](https://www.linkedin.com/in/winfred-mawuli)

winfredagbotey20@gmail.com | +233 554704302

Website: <https://winfred-mawuli.github.io/my-portfolio/>

## PROFESSIONAL SUMMARY

Backend Engineer with 3+ years of experience specializing in designing and building scalable, performant, and maintainable backend systems. Proficient in Java (Spring Boot), Node.js, and TypeScript, with hands-on expertise in microservices, cloud-native development, and backend architecture. Successfully led and contributed to key projects such as an Assessment Platform, Event Management System, and Mentorship Tracker. Certified Salesforce Administrator with experience in Apex development and system integration.

## TECHNICAL SKILLS

- Languages: Java, Apex, TypeScript, JavaScript
- Frameworks: Spring Boot, Node.js/Express
- Databases: PostgreSQL, MySQL, MongoDB, AWS DynamoDB
- Automation/Testing: JUnit, JMeter, Mocha/Chai, Supertest
- Version Control: Git, GitHub, GitLab
- Tools & Platforms: Docker, Jenkins, Kubernetes, Salesforce (Admin & Dev)
- Project Management: Jira, Trello, Confluence
- Other Skills: Agile/Scrum, Code Reviews, Mentorship

## WORK EXPERIENCE

### AmaliTech

Instructor & Backend Engineer

May 2025 – Present

- Managing and supporting 11 backend trainees through their learning journey, providing daily guidance, performance tracking, and one-on-one technical assistance.
- Delivering structured backend engineering lectures covering Java, Spring Boot, REST APIs, Git, testing, and development best practices.
- Designed and assessed 6+ real-world project-based tasks, simulating industry development environments.
- Mentored 5 high-potential trainees, achieving a 100% completion rate in core backend modules and personal code deliverables.
- Facilitated weekly firechat sessions (12+ to date) on career growth, engineering culture, productivity tools, and industry standards.
- Conducted over 50+ personalized code reviews and milestone evaluations, leading to a 40% improvement in code quality and best practice adherence.

## Backend & Salesforce Developer

October 2023 – Present

- Designed and implemented Salesforce Apex web services to integrate with a CMS, resulting in enhanced system interoperability.
- Built backend features using Spring Boot and Node.js to support scalable APIs and service communication.
- Developed custom objects, flows, and triggers to automate business logic in Salesforce.
- Mentored five junior developers in both Java and Salesforce, accelerating team-wide learning and delivery.

## Backend Engineer

November 2022 – September 2023

- Engineered event-based backend APIs using Node.js and TypeScript for a location-driven event platform.
- Implemented location-aware search features with Google Geo-location API, increasing relevant event discovery by 40%.
- Refactored legacy backend code and enhanced logging systems, reducing error rates by 30% and improving maintainability.
- Collaborated with internal teams to resolve 40+ backend tickets, supporting smoother QA and frontend integration across sprints.

## Selected Projects

### Assessment Platform

A cloud-based system for evaluating candidate performance with detailed analytics.

- Developed the backend using Java and Spring Boot with a microservices architecture.
- Integrated Kafka for event streaming, Redis for caching, and DynamoDB for fast-access data storage.
- Implemented a performance scoring engine to support real-time analytics.
- Designed scalable modules for candidate tracking, assessment history, and feedback.

### Salesforce Integration Service

A CMS integration built with Apex and Salesforce APIs to improve enterprise workflow efficiency.

- Created custom Apex REST classes to handle secure CMS-to-Salesforce data exchange.
- Used triggers and flows to sync records and automate Salesforce objects in real time.
- Reduced API processing time by optimizing SOQL queries and leveraging platform caching.
- Improved maintainability by implementing test classes and achieving over 90% test coverage.

### Event Management System

A platform for discovering and promoting events with real-time location updates.

- Built RESTful APIs using Node.js and TypeScript to manage events, users, and interactions.
- Integrated Google Maps API to support search-by-location functionality.
- Implemented Firebase Cloud Messaging (FCM) to enable push notifications for live event updates.

## Professional Development & Contributions

- Instructor – GTP Backend Training Program
  - Delivered backend and introductory Salesforce concepts to GTP trainees.
  - Led practical labs and project assignments focused on backend architecture and CRM usage.
  - Provided performance evaluations and mentorship on real-world engineering workflows.
- Java Accelerator Program – Served as Scrum Master and Team Lead
- Technical Interviewer – Conducted backend and Salesforce evaluations for Junior Associates

## EDUCATION

Higher National Diploma in Information Technology, 2022

Institution: Takoradi Technical University, Ghana

## CERTIFICATIONS

- Certified Salesforce Administrator
- Digital Innovation Programme