

# Folarin Taiwo M.

## Senior Backend Engineer

### SUMMARY

Back-end Software Engineer with over 5 years of experience in designing, building, and optimizing complex systems for multi-tenant SaaS platforms, government portals, and HR management applications. Demonstrated proficiency in C#, .NET Core, ASP.NET, and Entity Framework, with a solid grasp of microservices, RESTful API development, and DDD. Proven ability in leading technical teams and executing agile project delivery while maintaining a strong focus on database optimization and robust security protocols. Holds multiple Azure certifications and an education in Computer Science, underlining a deep technical background.

### TECHNICAL SKILLS

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| <b>Main Technical Skills</b>                    | C/C++/C# (5 yr.), ASP.NET Core Framework (5 yr.), .NET Core (5 yr.), Entity Framework (5 yr.), RESTful API (5 yr.) |
| <b>Programming Languages</b>                    | VBA  |
| <b>.NET Platform</b>                            | ASP.NET, ASP.NET Core Framework (5 yr.), Entity Framework (5 yr.), Identity Server, LINQ, .NET Core (5 yr.), VBA   |
| <b>C++ Libraries and Tools</b>                  | C/C++/C# (5 yr.)   |
| <b>Databases &amp; Management Systems / ORM</b> | Firebase Realtime Database, MySQL, PostgreSQL  |
| <b>Amazon Web Services</b>                      | AWS API Gateway, AWS IAM, AWS Security Groups  |
| <b>Azure Cloud Services</b>                     | Azure App Service, Azure VM  |
| <b>Google Cloud Platform</b>                    | Cloud Functions, Firebase Realtime Database  |
| <b>Industry Domain Experience</b>               | Banking  |
| <b>SDK / API and Integrations</b>               | AWS API Gateway, OAuth, RESTful API (5 yr.)  |
| <b>Deployment, CI/CD &amp; Administration</b>   | CD DevOps pipelines  |

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| <b>Methodologies, Paradigms and Patterns</b> | Clean Architecture, DRY, microservices architecture, Scrum, TDD    |
| <b>Version Control</b>                       | Git, Github Actions  |
| <b>Message/Queue/Task Brokers</b>            | MQTT   |
| <b>Other Technical Skills</b>                | Content strategy, Data Encryption, Data Migration, log, Monitoring |

## WORK EXPERIENCE

### Senior Backend Engineer, Multi-tenant HCMS Platform

**Duration:** April 2024 - Present

**Summary:** Architected and deployed enterprise-grade multi-tenant HCMS platform serving 50+ organizations with 10,000+ active users, implementing modular payroll, recruitment, appraisal, and leave management systems that reduced HR processing time by 40%.

**Responsibilities:** Architecture, deployment, system implementation, and performance optimization.

**Technologies:** .NET Core, JWT, Role-Based Access Control, Redis, Azure DevOps

### Senior Backend Engineer, JamBulletin, SidmachEmail

**Duration:** April 2024 - Present

**Summary:**

- Engineered secure email and bulletin systems with JWT authentication, role-based access control, and audit logging, achieving 99
- 9% uptime and zero security breaches across 6-month production period

**Responsibilities:** System engineering, security implementation, and uptime maintenance.

**Technologies:** JWT Authentication, Role-Based Access Control, Audit Logging

### Senior Backend Engineer, Biometric Pension Verification Platform

**Duration:** April 2024 - Present

**Summary:**

- Optimized biometric pension verification platform handling 50,000+ monthly transactions by refactoring critical database queries and implementing Redis caching, reducing API response time from 3
- 2s to 800ms



**Responsibilities: Database query optimization and caching implementation.**

**Technologies: Database Indexing, Redis Caching  
Senior Backend Engineer(Contract), E-commerce Platform**

**Duration: June 2024 - September 2024**

**Summary: Designed and implemented complex 3-in-1 e-commerce platform supporting bulk purchasing, dynamic catering package builder, and custom event booking.**

**Responsibilities: Platform design and implementation, test coverage.**

**Technologies: Php, Laravel Framework  
Senior Backend Engineer(Contract), Food Ordering Platform**

**Duration: January 2024 - April 2024**

**Summary: Enhanced high-traffic food ordering platform backend handling 5,000+ daily orders by optimizing REST APIs and restructured database indexes, achieving reduced response latencies.**

**Responsibilities: Backend enhancements, API optimization, database restructuring.**

**Technologies: RESTful APIs, Performance Monitoring  
Backend Engineer, WAEC Human Resource Information System**

**Duration: December 2020 - April 2024**

**Summary: Developed and maintained WAEC Human Resource Information System serving 5,000+ employees across 15 regional offices, implementing payroll integration, and performance appraisal workflows.**

**Responsibilities: System development and maintenance, API migration.**

**Technologies: .NET Core 6, OpenAPI, Entity Framework Core  
Backend Engineer, eStudy.ng EdTech Platform**

**Duration: December 2020 - April 2024**

**Summary:**

- Built backend services for eStudy
- ng EdTech platform supporting 500,000+ concurrent learners with course management, assessment engine, and progress tracking



**Responsibilities:** Backend services development, system support.  
**Technologies:** SQL Server, Redis, .NET  
**Backend Engineer, Novo Health Africa Management System**

**Duration:** December 2020 - April 2024

**Summary:** Engineered Novo Health Africa's appointment booking and patient management system with secure health data handling, processing over 10,000 monthly patient records.

**Responsibilities:** System engineering, secure data handling.

**Technologies:** Compliance, Security Best Practices

**Backend Developer Intern, Various Client-Facing Projects**

**DURATION: JANUARY 2020 - SEPTEMBER 2020**

**SUMMARY: GAINED PRACTICAL EXPERIENCE CONTRIBUTING TO PRODUCTION SYSTEMS INVOLVING COMPLEX DATABASE DESIGN, RESTFUL API INTEGRATION, AND SERVER-SIDE BUSINESS LOGIC IMPLEMENTATION.**

**RESPONSIBILITIES: BACKEND DEVELOPMENT, API AND DATABASE OPTIMIZATION.**

**TECHNOLOGIES: ASP.NET CORE, SQL SERVER, RESTFUL APIS  
EDUCATION**

- **BSc Computer Science**

Olabisi Onabanjo University | Ago-Iwoye, Ogun, Nigeria | Sept. 2019  
Not provided

## **CERTIFICATION**

- **Microsoft Certified: Azure Solutions Architect Expert**
- **Microsoft Certified: Azure Developer Associate**
- **Microsoft Certified: Azure Administrator Associate**
- **Microsoft Certified: Azure Fundamentals**
- **Foundational C# - FreeCodeCamp & Microsoft**
- **CPD Certified: Scrum Product Owner**
- **Google Analytics**
- **Fundamentals of Predictive Project Management - PMI Kickoff**

