

Faith Olusegun

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🐙 github.com/propenster

Education

Iowa State University

M.S. in Bioinformatics and Computational Biology (GPA: 3.43 / 4.00)

Expected May 2026

Ames, IA

Federal University of Technology Akure

B.Tech in Animal Production and Health (GPA: 4.51 / 5.00)

Nov 2018

Akure, Nigeria

Experience

Interswitch Group

March 2024 – Sept 2024

Senior Software Engineer

Lagos, Nigeria

- Modernized legacy systems, migrating Vert.x to Spring Boot and .NET 3.X/4.X to latest .NET, cutting maintenance costs by 40%.
- Designed fintech solutions, enhancing transaction processing speed by 25% and scalability.
- Built high-performance apps with Java/Spring, boosting throughput by 30%.

Asset and Resource Management (ARM) Holding Company

March 2023 – March 2024

Software Engineer

Lagos, Nigeria

- Re-engineered statement generation service, slashing processing time from 5 days to 6 hours (1,500% performance gain) for 500K+ clients.
- Built monitoring tool (Agent94), tracking 20+ APIs and 10+ DB servers, reducing downtime by 40%.
- Secured APIs to OWASP Top 10 standards, achieving 98%+ security score via 42Crunch benchmarking.
- Mentored developers in secure coding/optimization, cutting bug rates by 25%.

Parallex Bank Limited

March 2022 – March 2023

Software Engineer

Lagos, Nigeria

- Integrated bank's core systems with NIBSS, CBN, Remita, UP, Lagos IRS, and NCS, expanding product coverage and boosting revenue by 30%.
- Achieved 100% OWASP Top 10 compliance for all APIs via 42Crunch, eliminating critical vulnerabilities.
- Mentored 10+ developers on secure coding, reducing production bugs by 35% and optimizing API response times by 20%.

Fidelity Bank PLC

Jan 2020 – Oct 2021

Software Engineer

Lagos, Nigeria

- Designed and deployed 15+ API components across Azure/IIS, achieving 99.9% uptime with xUnit test coverage.
- Scaled SME account portal to serve 5M+ businesses, reducing onboarding time by 40% through Azure API optimizations.
- Spearheaded bank's Azure API Management, configuring 50+ policies that improved security and reduced latency by 35%.
- Maintained critical systems including visitor management and production APIs, resolving 200+ incidents with 98% SLA compliance.

Projects

Paydirect International Auth Layer | Java, Spring Boot, Azure Entra ID, Active Directory, SQLServer

Parallex Bank Finacle Core APIs | C# .NET 8, SOAP, FIXML

NgXQuickFix - FIX Trading Client using Nigeria Stock Exchange (NGX) FIX5.0SP1 specification | C#, FIX, QuickFix, .NET 9, MSSQL

Azure API Management Portal | Microsoft Azure Portal, Azure API Management, C#, .NET Core, SQL Server, HTML, CSS, Javascript

I am Faith Olusegun, a scientist and programmer who loves solving problems using programming. You can find me on GitHub or send me an email.

Technical Skills

Languages: C#, Java, JavaScript, TypeScript, Python, C++

Technologies: React.js, Django, Spring Boot, Express.js, PyTorch, jQuery, Bootstrap, ASP.NET, Node.js, Docker, Kubernetes, ArgoCD, Spinnaker, .NET Core, .NET Framework, Microsoft Azure, AWS, Azure DevOps, MySQL, SQL Server, MongoDB, FIX Protocol, QuickFix, PostgreSQL, Vert.x, Spring Framework, Visual Studio, Visual Studio Code, Eclipse, SoapUI, Postman, Git, HTML, CSS, Nginx, Bash, Linux, RPC, Protobuf, Microsoft IIS

Concepts: Compiler Design, Parsing, Operating Systems, Virtual Memory, Cache Management, Financial Information eXchange, Encryption, Artificial Intelligence, Machine Learning, Neural Networks, Gene Regulatory Networks, API Design, Database Normalization, Agile Methodology, Cloud Computing, Large Language Models