

PAUL AFOLABI

Lagos, Nigeria | +234 8140274897 | paulafolabi745@gmail.com | [LinkedIn Profile](#)

EDUCATION

Federal University of Technology, Minna - BEng. Mechanical Engineering SEPT. 2021
• *Second Class Upper, Top 10%*

TRAININGS

FranklinCovey Education, Nigeria - Personal and Organizational Leadership MAR. 2023
Lagos Business School, Pan Atlantic University, Nigeria – Mini. Business Administration and Development SEPT. 2022

PROFESSIONAL CERTIFICATIONS

• AWS Educate Machine Learning Foundations - [AWS](#) JUN. 2025
• ITIL Foundation Certificate in IT Service Management - [ITIL](#) MAR. 2023
• Microsoft Certified: Azure Fundamentals (AZ-900) - [Azure](#) MAR. 2023

SKILLS

Programming and Development: C#, Java, Python, SQL, .NET Core, Git, Docker, Microsoft Visual Studio, VS Code
Databases: MSSQL, Oracle SQL, MongoDB, MySQL
Infrastructure and Platforms: Linux, Microsoft IIS, CyberArk, Azure DevOps and API Management, Seq, SUSE Rancher, Apache Kafka
Machine Learning & AI: ML.NET, Fast Forest, AWS SageMaker, AI Red Teaming
Soft skills: Leadership, Excellent technical communication, Teamwork, Business acumen, Critical thinking, Agile

PROFESSIONAL EXPERIENCE

First Bank of Nigeria Ltd, Digital Lab - <https://www.firstbanknigeria.com/>
Lagos, Nigeria
Backend Software Engineer APR. 2024 – PRESENT

- Design and build middleware applications using microservices architecture.
- Implemented an end-to-end data encryption system using the AES algorithm on the LIT App, ensuring user privacy and security - helping the bank avoid potential lawsuits and saving millions of Naira in legal liabilities.
- Deploy applications on Azure, Linux and Microsoft IIS servers and provide DevOps support to a developer base of 10 ensuring timely development and deployment.
- Lead the complete decomposition of the LIT mobile monolith backend application, directly managing a team of 3 developers.
- Introduced API versioning to enhance API documentation and optimized business logic, improving API response time by 30% (from an average of 500ms to 350ms).
- Developed and deployed an improved back-office portal for the LIT App, providing support to over 100K active users.
- Designed and developed a role-based access management backend system for over 2,000 active internal users, ensuring precise permission control and reducing complaint resolution TAT by 50%.
- Developed the PAPSS (Pan-African Payment and Settlement System) remittance feature on the LIT App, enabling seamless digital cross-border payments for our African customers. The feature is projected to handle over \$100,000 in annual transaction volume.
- Built a biometric onboarding feature that streamlined user verification, now the fastest microservice on the LIT app (<150ms).
- Developed a Kafka-powered push notification service for the LIT App, handling the delivery of notifications for various user activities and delivering over 10,000 notifications daily.
- Developed and trained a machine learning model using ML.NET and the Fast Forest algorithm on a dataset of over 200,000 customer credit records, achieving an accuracy score of 78%.
- Integrated the ML model into a Credit Risk Assessment API, which I also developed, significantly optimizing credit operations and enhancing risk management for the Bank. Research and development still ongoing on this project.
- Developed comprehensive technical API documentations for my APIs using Swagger and Postman.

Access Bank Plc, Digital Factory - <https://www.accessbankplc.com/>
Lagos, Nigeria
Backend Software Engineer DEC. 2022 – MAR. 2024

- Developed RESTful and SOAP APIs using C#, ASP.NET, and IBM Integration Toolkit.
- Led the development and deployment of 3 middleware applications for each of eight African subsidiaries of the Bank.
- Built an account opening microservice that increased daily customer onboarding by 40%, growing from an average of 3,000 to 5,000 customers through multiple digital channels.
- Developed an account statement microservice that generates approximately ₦6 million (~\$7500) in annual revenue for the bank.
- Integrated two corporate entities into the AccessPay platform, enabling fund collections exceeding ₦1billion (~\$1.2M) annually.
- Developed API documentation for my microservices using Azure DevOps and API Management tool.
- Provided ongoing integration support to developers, across the 8 African subsidiaries, using the middleware applications I developed.

Correct FM Calabar - Group8 Limited - <https://group8.africa/>

Cross River, Nigeria

Assistant Station Engineer

JAN. 2022 – DEC. 2022

- Supervised routine servicing and maintenance of a 100KVA generator on a monthly schedule, ensuring reliability and efficiency.
- Managed diesel procurement, including quality control through density testing, to maintain fuel integrity and equipment performance.
- Developed and maintained a comprehensive weekly technical report, using Excel, detailing the status of all electrical and mechanical equipment, production and live studios, as well as the radio broadcasting mast, facilitating proactive maintenance.

Upwork - Freelance - <https://www.upwork.com/>

United States

Editorial Designer - <https://indd.adobe.com/view/952cba89-622d-4bf7-ae17-36ddb2fc88b2>

NOV. 2020 – DEC. 2022

- Designed brochures, magazines, newsletters, flyers, pamphlets and 2-D illustrations for various entities across the globe.

LEADERSHIP EXPERIENCES

Class Governor

FranklinCovey Education

MAR 2023– MAR 2023

- Led and managed a team of 30, fostering collaboration and effective communication.
- Learned and applied the “7 Habits of Highly Effective People” principles to enhance leadership and personal effectiveness.

Secretary General

Community Development Service – Freedom of Information

JAN 2022– NOV 2022

- Organized and led sensitization activities focused on Freedom of Information Act for natives of Calabar town.
- Educated over 150 students on information, human rights, education, and technology.

President

National Youths’ Service Corps - Orientation Broadcasting Service

NOV 2021– DEC 2021

- Led and managed a 15-member team, assigning them to oversee events at the OBS, Obubra.

Special Adviser to the President

Students’ Union Government, FUTMinna

NOV 2019 – AUG 2021

- Led and managed a 10-member innovation and creativity committee.
- Fostered the Coursera-FUTMinna learning partnership.
- Empowered over 5,000 students with relevant digital skills during the 2020 lockdown.

President

Nigerian Institution of Mechanical Engineers, Students’ Forum

AUG 2018 – SEPT 2019

- Introduced MyQA learning software for first-year students.
- Reduced the rate of academic failure among first-year students by over 11%.

VOLUNTEERING EXPERIENCE

Pan Atlantic University, Lagos

Technical Mentor

APR. 2025 – PRESENT

- Provide technical leadership to a team of 6 aspiring software engineers through real-world problem-solving projects.

Junior Achievement Nigeria (JAN)

Volunteer

APR 2022 – SEPT 2022

- Educated 73 secondary school students on digital and financial literacy in collaboration with the Central Bank of Nigeria during Global Money Week 2022.

Crystal Clear Professional Services

IT Volunteer

OCT 2018 – NOV 2018

- Created engaging PowerPoint presentations for stakeholder pitches, effectively communicating project goals and outcomes.

NOTABLE LEADERSHIP AWARDS AND RECOGNITIONS

- **Award of Commendation** – State Coordinator, National Youths’ Service Corps, Cross River State **DEC. 2022**
- **Award of Excellence in Service** – President, Students’ Union Government **SEPT 2021**
- **Best Departmental President**, Faculty of Engineering Federal University of Technology, Minna **SEPT 2022**