

Michael Adeniyi
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[LinkedIn](#) | [GitHub](#) | [Website](#)

Summary: Software Engineer specializing in AI-powered solutions, with proven success in optimizing system performance and enhancing user engagement.

Education:

M.S. - Software Engineering, Minor – Cybersecurity May 2023
The University of Maryland, College Park, MD.

B.S. - Computer Science June 2016
Babcock University, Ilisan-Remo.

Skills:

Programming Languages: Java, C, C++, JavaScript, Python, PHP, Visual Basic

Web Development Technologies: AngularJS, NodeJS, HTML, CSS

Database Management Systems: Oracle SQL, MySQL, Microsoft SQL Server, JSON

Frameworks & Libraries: Scrum, Flutter, Git, SQL Workbench, Unit Testing (JUnit, Web Selenium), Astro, Spring Boot, .Net, Mockito, Fast API, Next.js

Networking & Security: Wireshark, LAN/WAN operations, DNS/VPN/DHCP.

Cloud & AI Technologies: Google Cloud Platform (GCP), Vertex AI, Google Gemini.

Data Analysis & Visualization: Power BI (Desktop, Service), Business Data Analyst, Microsoft Access.

Additional Tools and Software: Postman, Video Editing, Figma, Corel Draw(Graphic Design)

Professional Experience:

Reality AI Lab – New York, New York

Software Engineer/Developer February 2024 – Present

- Developing ReX, an AI Coach utilizing technologies like OpenAI, Firebase, Node.js, Python and React(Next JS), to provide personalized career coaching and mentorship.
- Implemented comprehensive testing strategy including unit tests and integration testing suite for chat application components, achieving 90% test coverage
- Developed automated test cases for document processing pipeline and API endpoints using Postman and FastAPI, ensuring robust error handling and validation
- Software Projects:
 - **Gemini Explorer Chat Bot:** Designed and optimized ‘Gemini Explorer’ Chat Bot, streamlining prompt response times and enhancing user interaction by 15%.
 - **Gemini Flights App:** Built Google Gemini-powered flight management app using Streamlit and Fast API.
 - **Gemini-Quizify Quiz Tool:** Created AI-driven quiz tool to facilitate learning experiences, increasing engagement by providing instant feedback.
 - **Squad Feature Project:** Contributing to the project involved working on different branches and tasks, including integrating a modal pop-up, modifying components, and implementing features for the Squad social aspect, facilitated by task management via Asana.

Mentorship: Guided junior developer, improving productivity by 15% through structured live coding, pair programming, and code review sessions.

ITECH Data Consult – Hanover, Maryland

Software Engineering – Software Developer

January 2022 – April 2023

- Orchestrated cloud-based app hosting, achieving 99.9% availability and a 30% increase in user engagement.
- Collaborated cross-functionally to reduce system crashes by 25%, enhancing overall system reliability.
- Streamlined testing processes, reducing testing time by 40% and maintaining high-quality standards across application releases.
- Integrated modern technologies, resulting in a 15% performance improvement of the application.
- Enhanced app security through advanced protocols, reducing vulnerabilities by 20% and ensuring data protection.

JK Consulting Co. Ltd – Abuja, Nigeria
Software Engineering – Software Developer

November 2017 – January 2019

- Contributed to a 20% increase in web applications, leading to improved user satisfaction and retention.
- Developed visually immersive tools, increasing user engagement by 30% and enhancing the overall user experience.
- Implemented front-end, business logic, and data access layers, reducing development time by 15%.
- Ensured adherence to OOP concepts, resulting in a 25% reduction in code defects.
- Integrated external libraries and APIs, streamlining processes to enhance application efficiency by 15%.

First Wave Networks - Abuja, Nigeria
Software Engineer/Network Technician

October 2015 - November 2017

- Maintained 99.99% uptime of network systems, ensuring uninterrupted connectivity for users.
- Developed web and mobile applications aligned with business requirements, contributing to increased operational efficiency.
- Engineered and maintained RESTful APIs using .NET Core and T-SQL, supporting scalable service architecture across multiple endpoints.
- Implemented modern front-end systems using Bootstrap and jQuery, resulting in an improved user interface.
- Demonstrated versatility across both network management and software development, contributing to the work environment.

Projects:

UMD Knowledge Grab – Team co-leader

September 2021 – December 2021

- Led database management, optimizing back-end data processes and reducing retrieval time by 30%.
- Contributed to UI/UX design, creating a visually appealing application, and improving user satisfaction.
- Crafted primary personas and a Special User Scenario prototype, enhancing user understanding and experience.
- Created an informative ERD diagram for a comprehensive view of the application's information structure.
- Led the development of five Angular-based front-end pages, improving interface functionality and enhancing user satisfaction by 25%.