

Taofeek Obafemi-Babatunde

github.com/FehintolaObafemi | www.fehintolaobafemi.com | taofeekobafemibabatunde@gmail.com

SUMMARY

Versatile software engineer with years of experience encompassing proven success in optimizing DevOps processes, improving software performance, and facilitating smooth transitions to new technologies. Adept at leveraging an extensive skill set to drive efficiency and innovation in complex projects.

SKILLS

Programming Languages: C#, Scala, Scripting, Q#, Python, JavaScript, MySQL, Solidity, TypeScript

Libraries & Frameworks: Kivy, NumPy, Pandas, OpenCV, Expo.js, Node.js, NativeScript, React, PySpark, SciPy

Tools & Platforms: Amazon Web Services, Docker, Microsoft Azure, Netlify, Heroku, Git, Google Cloud Platform

RELEVANT EXPERIENCE

Microsoft Corporation

Software Engineer

June 2021 – Present

- Implementing Bicep templates for Microsoft Graph, actively contributing to the development and management of internal types, streamlined infrastructure deployment and management, and increased deployment consistency by 40%.
- Delivering full-stack improvements to Graph logs UX/UI and backend processing, boosting user navigation efficiency and backend throughput, resulting in improved support experiences and internal diagnostics.
- Leading performance and reliability improvements to the Azure Global Support API Gateway, reducing customer-reported issues and production bugs.
- Designed and implemented advanced telemetry for Microsoft Graph extensibility scenarios, significantly improving monitoring coverage, data accuracy, and actionable insights for partner teams.
- Drove end-to-end development and maintenance of the Microsoft Graph PowerShell SDK, enhancing DevOps workflows and improving engineering productivity by 45% across internal and external teams.
- Orchestrated the deprecation of legacy MS Online and Azure AD PowerShell modules; successfully migrated 90% of customers to Microsoft Graph with minimal disruption, supporting modernization and security goals.

Data Engineering and Predictive Analytics Laboratory

DevOps Engineer

May 2020 – May 2021

- Cut segmentation process time by 50% by developing a Python-based application for automated segmentation of data pulled from an API in preparation for a Machine Learning model.
- Achieved 95% uptime for cloud database by maintaining a CI/CD pipeline to implement an autonomous coalition of data from social media platforms on a daily basis.
- Successfully disambiguated and demonstrated a network graph showing relationships between multiple users with a 90% accuracy.

EDUCATION

M.Sc in Advanced Computing, Morgan State University

2022

M.Eng in Electrical and Computer Engineering, Morgan State University

2021

B.Sc in Electrical and Computer Engineering, Morgan State University

2020

RESEARCH PUBLICATIONS

A Review of Improvements in Shor's Algorithm using IBM Q Composer

International Business Machines Corporation, Morgan State University

- Explored and detailed significant advances regarding improving the depths of Shor's Algorithm for factorization of complex demi-prime numbers with a 75% accuracy using python3, Qiskit, QASM and Q#
- Authored a research paper showcasing the experimental findings conducted towards the advancement of Shor's algorithm.

Automated Detection and Quantification of Transverse Cracks on Woven Composites

Morgan State University, John Hopkins, U.S. Army DEVCOM Army Research Laboratory

- Leveraged MATLAB and CAD to design and develop software for analyzing and assessing the performance of tested materials based on predefined criteria.
- Co-Authoring a research paper showcasing the experimental findings and presented them to key stakeholders within the US Army.
- Developed a cross-platform mobile application which employs a MATLAB algorithm to increase functionality by 60%