

Taofeek Obafemi-Babatunde

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Software Engineer | DevOps Engineer | Full Stack Engineer

Results-driven and versatile software engineer with over 3 years of experience, including a strong background in software development and maintenance. Adept at leveraging an extensive skill set to drive efficiency and innovation in complex projects. Proven success in optimizing DevOps processes, enhancing software performance, and facilitating smooth transitions to new technologies.

SKILLS

Programming: Qiskit, QASM, Python, JavaScript, MySQL, PowerShell, Solidity, TypeScript, Java, C++, C#, Ruby

Libraries/Platforms: Kivy, NumPy, Pandas, OpenCV, Expo.js, Node.js, NativeScript, React, Django, Flask, Redux

Cloud/Technologies: Amazon Web Services (AWS), Heroku, Docker, Microsoft Azure, Netlify, Git, Google Cloud Platform

PROFESSIONAL EXPERIENCE

Software (Microsoft Graph), Microsoft, Redmond, WA

May 2021 – Present

Tech stack: C#, Microsoft Azure, PowerShell, Git

- Maintaining and updating the Microsoft Graph SDK for PowerShell while improving the DevOps experience for Microsoft PS users by 45%
- Reduced bugs and customer issues on Azure Global Support API Gateway Service by 75%
- Spearheaded the deprecation of MS Online and Azure AD PowerShell while migrating existing customers onto MS Graph with a 90% success rate

Graduate Quantum Researcher, IBM, Baltimore, MD

Dec 2020 - May 2022

Tech stack: Qiskit, Python, QASM, Q#, Rust

- Contributed to the advancement of various qiskit projects hosted on Github such as the Quantum Dice, Quantum Image Processing, and Qonway's Game of Life by reducing the processing time for each respective project by 15%.
- Increased project efficiency by 10% by improving the existing work done on Networkx: a general purpose graph library for python3 written in Rust to take advantage of the performance and safety that Rust provides.
- Explored and detailed significant advances regarding improving the depths of Shor's Algorithm for factorization of complex demi-prime numbers with a 75% accuracy.

DevOps Engineer, Data Engineering & Predictive Analytics Laboratory, Baltimore, MD

May 2020 - Dec 2021

Tech stack: Python, AWS, MySQL, Docker

- 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.

PROJECTS

SayTheirNames

Stack: Docker, Java

2020 - 2022

- Collaborative platform with the goal of raising awareness about the many victims of racial inequality and injustice.

Where Am I?

Stack: Python, TypeScript, CSS, JavaScript

2020

- A project inspired by "Sherlock" which utilizes data available on the internet to determine the connections between multiple social media accounts.

EDUCATION

Master of Science in Computer Science (Advanced Computing), Morgan State University

2022

Master of Engineering in Electrical and Computer Engineering, Morgan State University

2021

Bachelor of Science in Electrical and Computer Engineering, Morgan State University

2020