Nwanna Joseph Nnaemeka

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Skills

Python Backend Dev: Django, APIs, Postgres db, MySQL db, Firebase Services, Git, Github, Unit testing and Integrated testing, AWS, GCP and Azure, Devops. Cloud Computing.

Vue Frontend Dev: Javascript, HTML, CSS, Bootstrap, Git, Github

Intermediate Machine Learning Engineer: Pytorch, Tensorflow, Python, Large Language Models, Computer Vision

Experience

February 2018 - PRESENT
Zenith Bank, Nigeria – *Software developer*

- Designed, implemented, and maintained high-performance Python applications.
- Wrote reusable, testable, and efficient code following best practices.
- Collaborated with cross-functional teams to define, design, and ship new features.
- Developed and maintained RESTful APIs or other web services.
- Worked with frameworks like Django, Flask, and FastAPI to build and manage web applications.
- Integrated user-facing elements developed by front-end developers with server-side logic
- Designed and optimized database schemas and managed databases using SQL and NoSQL technologies (e.g., PostgreSQL, MySQL, MongoDB).
- Wrote and optimized queries, ensuring they are performant and scalable.
- Worked with data storage solutions, including cloud-based options like AWS, GCP, or Azure.
- Developed and executed unit tests, integration tests, and system tests to ensure the quality of the code.
- Identified and fixed bugs in existing software to maintain functionality and performance.
- Performed code reviews and participated in peer code reviews to maintain high coding standards.
- Optimized the performance of applications, focusing on speed, scalability, and reliability.
- Monitored and improved the efficiency of existing Python codebases.
- Worked closely with other developers, data scientists, product managers, and stakeholders to meet project goals.
- Participated in agile development processes, including sprint planning, daily stand-ups, and retrospectives.
- Documented software design and code effectively for future maintenance and updates.

- Stayed up-to-date with the latest industry trends, technologies, and best practices in Python development.
- Proactively identified areas for improvement in the codebase and recommended solutions.

Education

2011 - 2016

Federal University of Technology, Owerri – *Bachelor of Technology in Computer Science*

Extra–Curricular

- Contributor to Sci-kit learn (https://github.com/scikit-learn/scikit-learn/pulls?q=is%3Apr+author%3ANwanna-Joseph+is%3Aclosed)
- Weekend volunteer as a Python Instructor (https://www.instagram.com/kachitech/p/C7jWuPIoIGJ/?img_index=1)
- Expertise in implementing Variational Auto-encoders from scratch for machine learning (https://github.com/Nwanna-Joseph/VAE_Modular)
- Expertise in implementing Gaussian Mixture Models from scratch for machine learning (https://github.com/Nwanna-Joseph/GaussianMixtureModel)
- Expertise in implementing K-Means from scratch for machine learning (https://github.com/Nwanna-Joseph/KMeansImplementation)