

Michael O Eniolade

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Professional Summary:

Innovative **Data Analyst and Software Engineer** with over 5 years of experience in leveraging advanced SQL, Python, and machine learning techniques to drive data-driven decision-making and automate complex processes. Proficient in AWS analytics tools and experienced in developing AI-powered solutions in areas such as Natural Language Processing (NLP), Generative AI, and automation workflows. Strong research background with a Ph.D. in Information Technology ongoing, complemented by hands-on experience in Agile environments and a proven track record of delivering impactful results in challenging scenarios.

Technical Skills:

Programming Languages: Advanced SQL, Python, Java, R, PL/SQL, C#

AI & Machine Learning: Natural Language Processing (NLP), Machine Learning (ML), Deep Learning, TensorFlow, PyTorch

Databases: Oracle, MSSQL, Sybase, DB2

AWS Cloud Services: S3, Redshift, Glue, EC2, SageMaker

ETL Tools: Informatica Power Center, SSIS, ACL

Data Analytics Tools: SAS, R, Excel, Google Sheets, Tableau

Version Control Systems: Git, GitHub, Subversion

Testing Tools: Selenium, SOAP UI

Project Management Tools: Jira, HP ALM, TFS, SharePoint

Methodologies: Agile (Scrum, KanBan), Waterfall

Operating Systems: Windows, UNIX

Certifications:

Oracle SQL, Oracle OCA, Oracle Autonomous Database Specialist, Oracle Cloud Infrastructure Architect, ACL (Audit Command Language), Mobile Application Development, IBM Quantum Consultation, AWS Certification

Education:

- Ph.D. in Information Technology, University of the Cumberlands, Williamsburg, Kentucky, grad expected: 2027.
- Master of Science in Data Analytics from McDaniel College, Westminster, MD in 2023.
- Master of Science in Computer Information Systems from California Miramar University, San Diego, CA in 2018.
- Bachelor of Technology in Computer Science from Ladoke Akintola University of Technology, Oyo, Nigeria in 2010.

Professional Work Experience:

Data Engineer Intern

Pyramid Systems Inc, Fairfax, VA

June 2023 – August 2023

- Led the development of a proof-of-concept advanced chatbot using Python, enhancing user interaction and satisfaction.
- Automated AI/ML pipelines, optimizing data ingestion and model development processes.
- Leveraged AWS tools (S3, Glue) for efficient data storage and ETL processes.
- Implemented Agile methodologies, enhancing collaboration through regular Scrum meetings.
- Developed innovative solutions to streamline the RFI/pre-RFP reviewing process, increasing efficiency.

Quality Engineer**UnitedHealth Group Inc (UHG) / Randstad Consultant, Eden Prairie, MN***February 2022 – September 2022*

- Gathered and documented technical specifications for data integration solutions in the healthcare domain.
- Utilized advanced SQL scripting for backend data validation and complex report generation.
- Identified and logged 15-20% of total defects during system integration testing, ensuring system reliability.
- Applied Agile methodologies, participating in daily stand-ups and sprint planning to enhance team productivity.

Functional Analyst**Deloitte LLP / Agreeya Consultant, Portland, OR***June 2020 – February 2022*

- Participated in data migration projects using ETL tools, documenting requirements and technical specifications.
- Performed data validation and backend testing using SQL queries to ensure data integrity.
- Employed Agile practices, including JAD sessions and sprints, to manage project timelines and deliverables.

Senior Consultant Data Analyst / UAT Tester**Office of Health Affairs / Department of Human Services / Meritek Consultant, Salem, OR***June 2019 – June 2020*

- Designed and implemented automated testing tools, enhancing testing processes and reducing turnaround time by 25%.
- Performed backend data validation using complex SQL queries to ensure data accuracy.
- Conducted data mining and statistical analysis to support enterprise decision-making and improve system performance.

Data Analyst / QA Analyst**Edmin Inc, San Diego, CA***July 2018 – October 2018*

- Created and enhanced test scripts using Selenium WebDriver and JUnit for automated testing, improving testing efficiency.
- Utilized Tableau for business intelligence analysis and reporting, providing actionable insights to stakeholders.
- Used Python to automate data analysis processes, streamlining workflows and reducing manual effort.

Senior Data Analyst / QA Analyst**Speedway Yearbooks, Austin, TX***April 2017 – July 2018*

- Designed and implemented a company-wide Business Intelligence solution, including a data warehouse and reporting tools.
- Automated data collection and storage processes, eliminating manual tasks and enhancing efficiency.
- Provided insights to support business decisions through comprehensive data analysis and effective communication of findings.

Revenue Assurance Analyst
Rhythex Consulting, Lagos, Nigeria
January 2016 – February 2017

- Developed data models and ETL processes to support business intelligence initiatives.
- Utilized ACL (Audit Command Language) to develop end-to-end data products aligning business processes with IT.
- Followed Test-Driven Development (TDD), writing test cases using TestNG.
- Collaborated with Agile Scrum teams on regression testing using Selenium WebDriver.

Revenue Assurance Analyst
Etisalat, Lagos, Nigeria
September 2014 – December 2015

- Automated data platforms for development projects, enhancing efficiency and scalability.
- Developed business solutions by analyzing business and data requirements, including data models and ETL processes.
- Conducted ROI and trend analyses to support strategic business decisions and improve profitability.

Research and Projects:

- **AI-Powered Automation Framework:**
 - Designed an automation framework using Python and AWS services to streamline data processing and model deployment.
 - Implemented NLP techniques to enhance chatbot interactions, increasing user satisfaction by 20%.
- **Generative AI for Code Optimization:**
 - Developed a Generative AI model to assist in code generation and optimization, reducing development time by 15%.
 - Integrated Code LLMs to improve code quality and maintainability.
- **Time-Series Analysis for Business Automation:**
 - Conducted time-series analysis using R and Python to predict business trends and automate decision-making processes.
 - Leveraged AWS Redshift and Glue for efficient data storage and processing.

Volunteer:

- **Braven (Leadership Coach):**
 - Coaching Fellows in designing career paths, authentic leadership, and personal storytelling to align with their strengths.
 - Fostering a strong cohort culture, empowering Fellows to lead with purpose and prepare for career success.
- **Npower (Mentor):**
 - Advisor and Guide: Provided advice and guidance, helping mentee(s) navigate challenges and set realistic goals based on my experience in data engineering, medical claims, and software quality assurance.
 - Supporter and Encourager: Offered emotional support and encouragement, helping mentees build confidence and resilience during difficult times and setbacks.
- **Django Girls (Python Developer Coach):**
 - Technical Skill Development: Guided mentees in learning and mastering Python programming, including essential concepts, data structures, algorithms, and best practices. This involved providing hands-on coding exercises, debugging assistance, and personalized feedback to enhance their technical proficiency.