Michael Ambrose Affare

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EDUCATION

Carnegie Mellon University, CMU (Pittsburgh, PA) — May 2023
Master of Information Systems Management, GPA - 3.79
Highlighted Courses: Agile methods, Digital Transformation, Financial Accounting, Geographic Information Systems, Cloud Security

Kwame Nkrumah University of Science and Technology, KNUST (Kumasi, Ghana) — May 2016
Bachelor of Science in Computer Engineering, GPA - 3.45

CERTIFICATION

- Databases and SQL for Data Science, IBM — December 2020
- Python 3 programming Specialization, University of Michigan — August 2020
- Google IT Automation with Python Professional Certificate, Google — August 2020
- IT Service Management, ITIL® Foundation Certificate — September 2019

SKILLS

Programming Languages: Python, Java, Markdown, JavaScript
Database Technologies: Microsoft SQL Server, Oracle, MySQL, SSRS, Bold Reports, MongoDB
Tools: Git, Tableau, Flourish, Linux OS, ArcGIS PRO, Matterport, Brand Watch, Jira, Docker, AWS

WORK EXPERIENCE

Carnegie Mellon University, Heinz College of Information Systems and Public Policy – PA, USA — August 2022 – present
Teaching Assistant – Database Management, Distributed Systems, Telling Stories with Data
- Graded assignments held office hours to clarify concepts to students, and facilitated laboratory sessions.

Hubble.sh - Adelaide, South Australia — June 2022 – July 2022
Data Scientist (Intern)
- Developed a python/Selenium script that automatically gathered over 500+ contact information of potential clients.
- Prototyped an interactive three-dimensional model of a building as the company's energy efficiency visualisation tool.

FreshTrack Systems Limited – Queensland, Australia — April 2022 – August 2022
Application Support Analyst
- Analyzed the fresh food supply chain stakeholders' requirements and designed effective problem-solving technical solutions.
- Developed automated reports and effective visualisations using MS SQL.

AirtelTigo (Telecommunication Company, Information Technology Department) – Accra, Ghana
Consumer Solutions Architect — May 2021 – August 2022
- Analyzed customer business requirements and proposed new technical solutions or process improvements.
- Designed and implemented telecommunications products focused on data, voice plans, promotions, and campaigns.
- Maintained knowledge management assets (software documentation): technical writing and version control.
- Debugged, optimized, and upgraded existing software and products.
- Represented the company at the national level during technical collaborations with the National Communication Authority (NCA) and National Identification Authority (NIA).
- Integrated the Sim Registration Platform with the NIA identity verification API that improved data quality and reduced fraud risk (with a team of four engineers).

Business Solutions Architect — October 2018 – May 2021
- Implemented technical automations which improved business processes.
- Designed and developed a tailor-made Sales and Distribution Management System and CRM for sales and supply chain (with a team of four engineers).
- Managed third-party REST API integrations and partner interactions.
- Integrated Data Loan Service with Facebook for better visibility; this increased the monthly loan service revenue by 500%.

AWARDS

- Star Performer of the Month, AirtelTigo — December 2021, February 2020, and December 2019
- STR (Simplicity, Transparency, Relevance) Excellence Award, AirtelTigo — December 2018

OTHER EXPERIENCE

- *Level 7 Local Guide with 10,000+ contribution points* at Google Maps, Accra, Ghana — October 2017 – present
- *Resident Assistant* at Scape Waymouth Apartment, Adelaide, South Australia — May 2022 – August 2022
- *Application Support Engineer* at OSTEC Limited, Accra, Ghana — September 2017 – October 2018

LEADERSHIP

- *Vice President* of Heinz College Finance Club, CMU, Pittsburgh — August 2022 – December 2022
- *Social Media Sentiment Analyst* on ESG and Pricing for Yum! Brands (KFC, Taco Bell), Pittsburgh — August 2022 – December 2022
- *Team Leader* of CMU Heinz Finance Society-Credit Suisse Workshop, New York — October 2022
- *Secretary* of Student Representative Council, CMU, Adelaide South Australia — February 2022 – August 2022