Michael Ambrose Affare

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SUMMARY

I bring 8 years of experience as a data professional and cloud solutions architect, enabling digital transformation with the latest cloud (and now AI) technologies delivered to industry and security standards. I have led analytics initiatives end-to-end combining advanced data analytics expertise with product-management experience across various roles, to design secure, scalable systems that unlock actionable insights. As a collaborative, growth-minded teammate, I learn quickly, plan carefully, and turn messy data into practical solutions that improve decision-making, performance reporting, and process improvement to move businesses forward.

SKILLS

Programming   Python, SQL, Oracle 21g, Microsoft SQL Server, Java, MongoDB, API Development, ArcGIS, Unit Testing
Cloud Computing   Azure, AWS, Glue, S3, EC2, Redshift, Databricks, Athena, Tableau, Power BI, Google Cloud Platform (GCP)
Data Processing   ETL, Data Modeling, CI/CD, IT Automation, Report Development, AI Prompt Engineering, Generative AI, Spark, Airflow
Leadership   Team Leadership, Strategy Implementation, Cross-functional Initiatives, Project leadership, Global Teams, Mentorship
Communication   C-Level Presentations, Stakeholder Engagement, Technical Consultation, Problem Solving, Training
Project Management   Project Management, ITIL Certified, Agile, Stakeholder Management, Budget Management, Scheduling, R&D

CERTIFICATIONS

Advanced Data Analytics Professional, Google	Jul '25
Business Intelligence Professional, Google	Jul '25
Security Analytics Professional (CySA+), CompTIA	Apr '25
Security+, CompTIA	May '24
Certified Solutions Architect - Associate, AWS	Oct '23
Certified Cloud Practitioner, AWS	Sep '23

PROFESSIONAL EXPERIENCE

Data Analytics Manager   Jun '23 — Present
Allegheny County Department of Human Services   Pittsburgh, United States

- Increased client engagement 40% by defining KPIs and building self-serve Tableau dashboards; instituted a monthly performance review with program leadership.
- Streamlined and automated ETL for 50+ providers; onboarded 20+ new partners and improved reporting reliability.
- Introduced GitHub, Asana, and LLM tools; created onboarding curriculum and data documentation; improved analyst efficiency and delivery velocity.
- Partnered with Machine Learning, Analytics, and Technology & Planning to scope, prioritize, and deliver cross-functional analytics initiatives aligned to compliance.
- Applied statistical analysis, data modeling, and data mining to structure raw data; supported $170M+ program decisions.

Application Support Analyst, Part-time   Apr '22 — Aug '22
FreshTrack Systems Limited   Boonah, Australia

- Delivered supply-chain and traceability software; improved visibility with SSRS/SSIS automation and Bold BI dashboards.
- Maintained 99.8% uptime by optimizing T-SQL and automating back-end operations; improved SLA adherence.

Senior Consumer Solutions Architect, IT Operations   May '17 — Jan '22
Airtel Ghana Limited   Accra, Ghana

- Saved $150K by building an in-house web/mobile Distribution Management System (DMS); reduced reconciliation time and eliminated vendor licensing.
- Drove 5% MoM revenue growth by launching and commercializing digital products and bundles with marketing, finance, and network teams.
- Cut SIM-provisioning errors 80% and saved $100K+ via process automation and improved controls; strengthened compliance and auditability.
- Increased Mobile Financial Services (ATMoney) adoption 20% through product API integrations and improved customer journeys.
- Reduced post-merger operating costs by designing unified IT platforms and migrating subscribers; simplified stacks and eliminated redundant systems.
- Reduced mobile fraud 60% and improved PII data quality to 98% by integrating the National Identification Authority API and automating KYC checks.
- Boosted Simbrella mobile-loan uptake 400% via Facebook-integrated VAS API features and targeted campaigns.
- Improved uptime and KPI adherence by standardizing Linux/SQL workflows and applying infrastructure best practices.

EDUCATION

Master in Information Systems Management, Carnegie Mellon University (GPA: 3.88)   Aug '21 — May '23
                                                                                        Pittsburgh, United States

- **Highest Distinction Honors**
- **Graduate Teaching Assistant,** Database Management, Distributed Systems, and Telling Stories with Data Visualization
  - . Awarded 2023 ISM Most Outstanding TA for excellence.
- **Research Assistant**, Cloud Engineer, Block Center for Technology and Society
- **Student Consultant**, Projects and Internships with Estée Lauder, Yum Brands, Hubble.sh

Bachelor's degree in Computer Engineering, Kwame Nkrumah University of Science and Technology   Sep '12 — May '16
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