

BISMARK ADOMAKO

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Education & Certification

- **Massachusetts Institute of Technology**, MIT xPro
Data Science and Big Data Analytics [Oct. 2018 - Dec. 2018]
- **Microsoft Certified Azure Data Engineer Associate**
- **Kwame Nkrumah University of Science and Technology**, Kumasi, Ghana
BSc. Computer Engineering - [Sep. 2012 – Jul. 2016]

Experience

PluralSight, Farmington, Utah

Author, Data Science, ML and AI

July 2019 – Present

I have authored the course: Building, Training and Validating Models in Azure

Ecobank eProcess International S.A., Accra, Ghana

Data Scientist, BI & Big Data, Technology Engineering

July 2017 - Present

- Actively engaged with business partners to identify and validate data science and analytics use cases, brainstorm and roadmap for potential solutions aligned with business requirements.
- Devise and utilize algorithms and models to mine big data stores, perform data and error analysis to improve models, clean and validate data for uniformity and accuracy.
- Doubling up as data strategist, I engineered a universal data pipeline that automates the extraction, loading and transformation of data from different sources using Azure Data Factory.
- Implement analytical models into production by collaborating with software and ML engineers
- Designed and implemented real time and automated fraud monitoring system to enhance operational efficiency and reducing investigation time by 50%.
- Communicate advanced analytics solutions to business stakeholders and implement improvements as needed to operational systems.
- Trained Jr. Data Scientists on end to end projects from problem framing and requirements to shipping models.

British Council, Accra, Ghana

Software Engineering Consultant, Skills Hub Team

June 2017 – December 2017

- Completed implementation of incremental update feature for database statistics: repaired existing defects, improved performance of original feature by a factor of 5.
- Contractual engagement to analyze and improve the migration of the entire organization to Microsoft Office 365 working with the global team in Spring Gardens.

British Council, Accra, Ghana

Software Engineer & Project Coordinator, *Skills Hub Team*

June 2016 – June 2017

- Designed and developed an android mobile application “BC LIVE” (available on Play Store) with the Ionic Framework, Python programming language and Google Appengine for internal staff marketing and communications which increased efficiency of projects delivery.
- Successfully coordinated the Transformational incubation program for Alumni of Coventry University which equipped 25 Alumni with entrepreneurship skills and start-up capital.

Technical Expertise

- **Programming languages:** Python(expert), Java(proficient), C++ (prior experience).
- **Software:** Azure ML studio, Azure Databricks, Azure Data Factory, Visual Studio, PyCharm, WebStorm, Eclipse, Power BI
- **Frameworks:** Ionic framework(expert), Apache Spark(expert), Django(proficient), WebApp2(proficient).
- **Databases:** MySQL(expert), MS SQL (expert), Oracle(expert), Cosmos DB (expert).

Projects

- **Customer360:** A solution that provides scalable way to build a customer profile enriched by machine learning. It enables uniform access and operate on data across disparate data sources (while minimizing raw data movement) and leverage the power of Azure SQL Data Warehouse, Azure ML services and Azure Databricks for scalable modeling and accurate customer churn predictions and recommendation engine.