**Emmanuel Ojogwu**

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E**DUCATION**

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| **Mosh Code Academy** | July 2022 – Sept 22 |
| Front End Web Development  **Metropolitan State University** St. Paul, Minnesota  B.S Computer Science / Data Science Major | August 2016 – May 20  National Society of Leadership & Success |

**TECHNICAL SKILLS**

**Programming Languages:** JavaScript, TypeScript, Java, C/C++, Python.

**Frameworks and Databases:** React, React Native, NodeJS, Tkinter, MySQL, PostgreSQL, GoogleSQL, Android Development.

**Tools:** Git, Postman, AWS (Athena, Glue, S3, SQS, Lambda, DynamoDB, CloudWatch), NewRelic, Splunk, Tableau, Power BI, Azure and R.

**WORK EXPERIENCE**

**Software Engineer, Target Corporation, Minneapolis, MN***.* **01/2022 – Present**

* Backend software engineer and architect for PAAAS (Preapproval-as-a-service), a white-label customer credit card loan marketplace. Developed and launched MVP within 6 months.
* Used TypeScript/NodeJS to design and build scalable APIs on AWS Lambda and DynamoDB to serve 100k+ customers.
* Designed logic to calculate monthly analytics, processing raw data into quantifiable metrics for clients using Athena/Glue.
* Implemented secure file storage solution to protect user and company data using Terraform to deploy Trend Micro on S3.
* Performed data-flow analysis to track memory usage and time spent in different functions.

**Software Engineer, Software for Good, Minneapolis, MN 06/2019 – 08/2019**

* Solely responsible for designing and developing system to display material quantity on Rails application.
* Utilized test driven development to build out and deploy the feature in less than 4 months.
* Development was primarily done in Ruby on Rails, with some React work.

**IT Data Analyst, Fairview Health Services, Remote, MN 09/2019 - 12/2021**

* Identified and monitored industry specific KPIs by data visualizations for claims using Microsoft PowerBI.
* Prepared reports and projections based on account analyses present findings quarterly to owners along with recommendations for optimizing initiatives.
* Collaborated with clients using a recommender system through Clinical data from Google Cloud Platform using BigQuery Python eliminating highly expensive third party dependency and providing a better understanding their needs in terms of data analysis.
* Implemented and automated ETL pipelines to ingest data into the Data Warehouse.
* Enhanced customer experience by making interactive dashboards in Tableau and automated reports by running python scripts that had increased delivery efficiency.

**Full Stack Data Engineer Intern, Data Analytics, Wells Fargo, Roseville, MN 06/18 – 8/18**

* Assisted senior data scientists and analysts in the development and maintenance of multiple ETL pipelines that processed terabytes of brand data from Azure Blob storage to data warehouse and data bricks.
* Oversaw data migration processes that helped minimize monthly operational costs by identifying key data points, allowing launching of automated tools and processes across the company.
* Performed ad-hoc data extraction, manipulation and analysis including data interpretation and close communication with internal customers.
* Used big data tools to perform ETL on disparate data sources like online transactional data, orders history to provide safe and reliable consumer insights.
* Developed QA tests, visualizations, and alerts to automatically detect fraudulent transactions and inconsistencies that can be quickly addressed.
* Performed efficient data collection and documentation based on statistical analysis studies of data composed audit reports and convey results.

**RELEVANT EXPERIENCE AND PROJECTS**

* Python Bulk SMS Messaging Application 2019
* Fulfilled business need of family restaurant to send low-cost bulk SMS messages.
* Wrote full stack Python application with GUI to allow business owners to message customer base.
* Interfaced with GSM modem using AT commands.
* Big data analytics with use of both Hadoop and Python data ingestion pipelines for real time analytics. Applied statistics regression models to help predict future home prices in several cities around the nation.
* Established predicting models that estimate areas with high crime rate ratios.
* Collected data for use of different visualizations.
* Created Tableau and Power BI dashboards to generate insights into Amazon Product reviews.
* Develop IT protocols for continued analysis of company network systems to locate and rectify security concerns.