

Michael M. Fawehinmi

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PROFESSIONAL SUMMARY

Data analytics data engineer driving impactful business decisions and automated process improvements. Advanced knowledge of BI tools, programmatic analysis, and data system integrations. Excellent communications skills and proven leadership abilities.

- 8+ years of professional experience in big data analytics, demonstrating a strong interest in Data Science and Computer Vision.
- Accomplished in the field of analytics visualization, delivering simple user interfaces that provide key stakeholders with timely actionable insights.
- Proficient in developing end-to-end analytic pipelines at scale and creating automation tools using AWS, Python and SQL.
- Proven track record as an innovative problem solver, leveraging cutting-edge technology to solve complex business challenges in a fast-paced development environment.

PROFESSIONAL EXPERIENCE:

Novanta Corporation, Bedford MA (remote)

January 2021 – Present

Senior Data Engineer (full-time)

- Designed and documented large-scale data integration pipelines from Workday (Web Services & Public API) to Snowflake, enabling automated workforce data processing and transformation
- Built a client-facing security configuration tool with a React UI and Django backend to manage business-specific row-level security (RLS) rules, enabling dynamic data access control based on organizational attributes and role-based logic.
- Designed dynamic toolset comprised of business-focused, statistical, and algorithmic models for data-driven decision-making using Python
- Created comprehensive reporting library for C-suite and CHRO with interactive and user-friendly interface using Power BI
- Implemented workforce planning and financial models to effectively capture the monetary impact of human capital movement
- Created a platform for dynamic business-level sensitivity analysis to monitor capacity planning and human capital demand

Salesforce, Boston, MA (remote)

May 2020 – December 2020

Lead Python Developer (Contract)

- Built full-scale native-application for data conversion efforts to reduce human error and provide actionable feedback on validation failures
- Developed requirements for integration of workforce data and implemented performance metrics to ensure reliability of data transfers using Power BI
- Configured Google Maps API to support employee back-to-office policy, leveraging Python and Google traffic models to measure commute distances and times
- Integrated SuccessFactors, Fieldglass, Eightfold, and Visier into One Model using protocols such as SFTP and API
- Collaborated with internal stakeholders, system owners, and engineers to align business rules, data requirements, and integration priorities
- Led Power BI reporting pipeline development for initiatives including back-to-office planning, global giving campaigns, and compensation dashboards

Global Atlantic Financial Group, Brighton, MA (remote)

January 2018 – April 2020

Shared Services Data Engineer | Senior Data Analyst (full-time)

- Evaluated various software systems to replace or enhance HR processes; reviewed designs and vendors that effectively integrate with existing systems and infrastructure.
- Developed predictive models using GLM, GLMM, SARIMAX to forecast company and department attrition and overall growth using Python and Power BI
- Defined and built REST-API endpoints for the integration of internal data with various web-based applications (Greenhouse, Workday, SuccessFactors)
- Responsible for automation and monitoring of predictive model lifecycle including version control, model performance, and model drift analysis
- Developed stakeholder relationships to effectively plan for workforce needs and identify strategies and solutions that drive automation and centralization of HR processes
- Fully automated ingestion, processing, and reporting of macroeconomic data from the Bureau of Labor Statistics and John Hopkins(COVID-19)
- Acted as a liaison between the HR, IT teams and vendors. Lead and facilitated biweekly cross-functional team meetings between HR Support and IT

EDUCATION

Worcester Polytechnic Institute, Worcester, MA

Master's in Data Science | Pioneering Program, Completed in Fall 2023

Relevant Coursework: Data Analytics and Mining, Statistical Methods for Data Science, Deep Learning and Machine Learning, Database Management Systems, Bayesian Statistics, Applied Multivariate Statistics

Bentley University, Waltham, MA

Bachelor of Science in Finance with Concentration in Capital Markets, Completed in Spring 2018

Relevant Coursework: Quantitative Portfolio Management, Advanced Probability and Statistics, Advanced Financial Modeling, Advanced Concepts in Programmatic Modeling

CERTIFICATES & SKILLS:

Amazon Web Services (S3, EC2, RDS, VPC, IAM, Route 53, Certificate Manager, CloudFront, ElastiCache, Secrets Manager, Load Balancers, Elastic Beanstalk); Microsoft Azure; Amazon Web Services Database Architecture; Data Analytics Certificate (x3); APIs; Web Scraping; Machine Learning; Bayesian Statistics; Gaussian Process; Agile/Waterfall; Python (Pandas, Scikit-learn, Numpy, Scipy, Statsmodels, TensorFlow, Matplotlib, Django, Flask, Requests, FastAPI); SQL; Tableau; Power BI; Hadoop; Spark; Microsoft Dynamics; R; C#; Data Mining; FTP/SFTP; Kiteworks; Control-M; Beacon; Microsoft Office; Workfront; Alteryx