Willie Man

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EDUCATION

University of Michigan   Ann Arbor, MI
Masters of Applied Data Science   *Sep. 2021 – May 2024*

University of Texas   Austin, TX
Bachelor of Science in Biochemistry, Minors in Business, Computer Science, and IT   *Aug. 2011 – May 2015*

CERTIFICATIONS

AWS Certified: Database, Data Analytics, Machine Learning Speciality, and Solutions Architect Associate

Microsoft Certified: Azure Data Engineer and Azure Data Scientist Associate

Certified Associate in Project Management (CAPM)

EXPERIENCE

Data Quality Manager   Aug. 2018 – Present
Cagemini   *Houston, TX*
- Promoted to lead data quality improvement projects, owning the ServiceNow strategy, roadmap, and delivery of key initiatives. Managed a team and external vendors, delivering results across multiple projects.
- Architected and implemented a Java-based data quality reporting application, driving a significant improvement in data health by executing the Data Quality Management Program.
- Led an ETL workstream, generating revenue and saving $2M annually by automating data processes for hundreds of thousands of records and millions of monthly updates. Responsibilities included requirements gathering, testing, and stakeholder approvals.
- Leading the scoping and planning of a ServiceNow ETL implementation, replacing the existing data management tool with a more scalable solution that enhances data processing efficiency.

IT Financial Business Analyst   Aug. 2016 – Sep. 2018
Capgemini   *Austin, TX*
- Administered vRealize Business Enterprise, generating millions in monthly invoices for Texas Public Agencies, ensuring accuracy and timely processing.
- Led several data analytics and automation project initiatives that included developing automated billing methodology, creating a financial forecast ($12 Billion forecasted over 4 years), and automating manual tasks.

PROJECTS

Apple cultivars and climate change in the US | *geopandas, xarray, sklearn*   May 2024
- Extracted data via webscraping, developed wrapper to access OikoLab Weather data API
- Developed regression models to forecast future temperatures across US polygons using climate data.
- Assigned USDA hardiness zones based on forecasted temperatures to assist in long-term planning for apple orchard farming.

Dogs vs Cats Audio Classification | *pytorch, CNN, DeepLearning*   May 2023
- From audio files convert signals to spectrogram images using librosa library, and feed into a CNN architecture using pytorch framework

Implementing AWS Kinesis Data Analytics for Anomaly Detection | May 2022
- Demonstrated a 5-step approach for building real-time streaming analytics solutions for detecting anomalies in data streams

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL (Postgres, MySQL), HTML/CSS, R
Technology: AWS SageMaker, Azure Machine Learning, ServiceNow, Azure Synapse, AWS Kinesis, Azure Data Factory, Databricks, MS Suite (Access, Excel, Visio, Power BI, Power Query), Tableau, AWS Glue, AWS Athena, Git, Docker, Visual Studio, ChatGPT, Trello
Libraries: pandas, sklearn, seaborn, altair, matplotlib, seaborn, numpy, keras, pytorch, huggingface, networkx, pyspark, gensim, mlflow, BeautifulSoup, selenium, boto3, SciPy