

Marcus Johnson

Data Scientist | 5 years experience

Contact: marcus.johnson@email.com | Houston, TX

Education:

- MS in Computer Science (Machine Learning), Rice University (2019)
- BS in Petroleum Engineering, University of Texas at Austin (2017)

Experience:

Senior Data Scientist - ExxonMobil (2021-Present)

- Developed predictive models for oil and gas exploration
- Built machine learning algorithms for drilling optimization
- Created time series forecasting models for commodity price prediction
- Implemented computer vision models for geological image analysis
- Led digital transformation initiatives in upstream operations

Data Scientist - Schlumberger (2019-2021)

- Developed ML models for well performance optimization
- Built predictive maintenance systems for drilling equipment
- Created anomaly detection algorithms for real-time monitoring
- Performed statistical analysis of reservoir simulation data

Petroleum Engineer - Chevron (2017-2019)

- Analyzed production data and reservoir performance
- Developed mathematical models for reservoir simulation
- Performed economic analysis and risk assessment
- Transitioned to data science through internal training programs

Technical Skills:

- Programming: Python, MATLAB, SQL, C++
- ML: scikit-learn, TensorFlow, PyTorch, XGBoost
- Time Series: Prophet, ARIMA, LSTM
- Cloud: AWS, Azure
- Databases: Oracle, PostgreSQL, SQL Server
- Domain Expertise: Petroleum engineering, geosciences, energy markets
- Tools: Petrel, Eclipse, CMG, Git, Docker

Certifications:

- AWS Certified Solutions Architect
- Professional Engineer (PE) License