

Jamie Wilson

Machine Learning Data Engineer

Machine Learning Data Engineer specializing in productionizing ML models at scale. Proficient in TensorFlow, MLflow, and Spark ML to deliver end-to-end predictive solutions.

KEY SKILLS

- TensorFlow & Spark ML
- MLflow & KFServing
- Airflow orchestration
- Python & PySpark

EDUCATION

M.S. in Machine Learning

University of Washington, Seattle, WA
June 2016

B.S. in Computer Science

Pullman, WA, Pullman, WA
May 2014

PROFESSIONAL EXPERIENCE

ML Data Engineer | Predictive Solutions, Seattle, WA

July 2019 – Present

- Deployed TensorFlow models with KFServing on Kubernetes, achieving 99.5% uptime for inference services
- Built MLflow tracking and model registry, standardizing deployment across 10+ projects
- Developed Spark ML pipelines for feature engineering on 100+ TB of data, reducing model training time by 60%
- Collaborated with data scientists to wrap models into REST APIs using Flask and Docker

Data Engineer | Insight Analytics, Seattle, WA

May 2016 – June 2019

- Implemented real-time feature extraction with Spark Streaming for fraud-detection models
- Automated model retraining pipelines with Airflow, scheduling daily jobs that improved accuracy by 8%
- Managed HDFS and Delta Lake storage for model input/output, ensuring data versioning and lineage
- Wrote PySpark jobs to preprocess data from Kafka streams into Parquet for offline training

CERTIFICATIONS

- Certified Kubernetes Administrator (CKA): June 2020
- Senior Big Data Engineer: Data Science Council of America, May 2019