

DENE FARRELL

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PROFESSIONAL EXPERIENCE

DDS, Washington, D.C. – Data Architect

Nov 2020 - Present

- Designed, developed and deployed a real-time streaming analytics platform for ingestion of and machine learning on IoT data.
- Established a cloud-based data brokering service allowing for integration of external data producers and data consumers across the DoD.

Latch, New York - Senior Manager, Data Engineering

Sept 2019 – Nov 2020

- Delivered several cross-company services: Data Centralization and Governance, Data Ecosystem Management with Automated Analytics Job Support, Company Operational Notifications, CRM to ERP Integration, PII Anonymization, ML Pipeline Development and Deployment Framework
- Worked with a varied set of internal stakeholders while adapting to meet the data needs across Latch.

Capital One, New York - Principal Data Engineer

May 2017 – Sept 2019

- Lead Card-on-file Detections: Successfully built and deployed a classification pipeline that identifies for all credit holders which merchants have stored their credentials on file.
- Re-architected a monolith ML application to microservices using AWS serverless services
- Implemented a comprehensive customer profile feature engineering pipeline to service a multi-armed bandit call schedule recommendation service with Python, Snowflake, and Kubernetes.

Sloan Kettering Institute, New York - Software Engineer

Dec. 2008 – May 2017

- Developed image processing applications for researching early *Drosophila* embryo development.
- Made advanced computational tools accessible to non-technical users with intuitive interfaces.
- Enhanced image processing capabilities in order to analyze previously unobtainable 4D data.
- Built applications in Matlab, Python and Java

EDUCATION

State University of New York, Binghamton

M.S. Systems Science

2008

B.S. Bioengineering

2006

SKILLS

Data Engineering: AWS, Sagemaker, Kafka, Spark, EMR, DynamoDB, AWS Lambda, Flask, Django, ElasticSearch, Airflow, Luigi, Ansible, Jenkins, CircleCI, Snowflake, Docker, Kubernetes

Machine Learning: Classification, Regression, Data Wrangling, Feature Engineering, Entity Resolution, Artificial Neural Networks, Unsupervised Learning Algorithms, K-Means Clustering, PCA

Programming Languages: Bash, Python, SQL, Java, Scala, JavaScript, React, D3

Team Management: Roadmap Planning, Jira, Agile, Scrum, Kanban, Cross Org Collaboration Strategies