**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 ad 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