

Dayan Ibrar

Stafford, VA | 571-368-8343 | dayan@live.ie | [LinkedIn](#) | dayanibrar.com | [GitHub](#) | Secret Clearance | AWS ML Certified, Agentic AI/MLOPS Certified | AWS Certified SME | Palantir Foundry Aware Certified

AI AND MACHINE LEARNING RESEARCH ENGINEER

AI and data engineer building production data systems, fraud analytics, and LLM applications for federal and aerospace programs. Experience spans data ingestion, feature engineering, model evaluation, graph analysis, retrieval systems, and secure AWS architecture. Interested in research engineering for reliable ML systems and applied AI.

EXPERIENCE

Generative AI Engineer | Full-Stack LLM Development Specialist

Accenture Federal Services

May 2026 – Present
Washington, DC · Remote

- Developing a federal fraud detection approach that combines supervised models (XGBoost and logistic regression), anomaly detection, graph analysis, and rules. Designing out-of-fold evaluation and controls against training and temporal data leakage.
- Engineering Salesforce-to-AWS data pipelines for incremental ingestion, deduplication, and analytics in S3 and Redshift; designing watermark-based updates, reconciliation, and orchestration for large case datasets.
- Supporting data lake operations through IAM and S3 policy work, AWS Glue pipeline optimization, and Athena analytics and connectors.
- Assessing AI capabilities and researching agent-based solutions for federal use cases; translating technical findings into implementation options for program leadership.

Senior ML/Data Engineer

SteerBridge

September 2025 – May 2026
Vienna, VA · Hybrid

- Built core data infrastructure for a U.S. Department of Veterans Affairs claims program, from schema and ingestion through production integration. The resulting workflow reduced a claims processing step from more than six hours to under 15 minutes.
- Designed SOAP and REST integrations and data pipelines for veteran and claims data; explored NLP, retrieval, and ML applications for document and claim workflows.
- Designed PostgreSQL schemas and modernized legacy SOAP service integrations to support more reliable application and analytics access.
- Integrated AWS Glue and SageMaker components for claims and disability benefits questionnaire workflows; worked with engineers, data scientists, and VA stakeholders on architecture and compliance requirements.

F-35 Data Engineer

SteerBridge

Dec 2024 – Aug 2025
Beaufort, SC · Hybrid

- Engineered pipelines for F-35 sustainment data, including maintenance, telemetry, and readiness information used in operational analysis.
- Developed QuickSight dashboards and connected Azure Databricks and Data Factory workflows for defense data analysis.

Lead Data Engineer

FinoSync Corp

Feb 2024 – Jan 2026
Stafford, VA · On-site

- Prototyped Relay, a gateway for exposing legacy SOAP and WSDL services through modern APIs, with authentication, permissions, and request audit concepts.

- Designed ViDaT Gov, a proposed aviation data platform covering ETL automation, analytics, and synthetic data workflows on AWS GovCloud.

Data Engineer (Contract)

May 2024 – Sep 2025

Lockheed Martin

Stafford, VA · Hybrid

- Developed proofs of concept and architecture proposals through Lockheed Martin supplier channels for aviation sustainment, radar anomaly detection, and cyber applications.
- Submitted SBIR proposals, including AF254-0812, and developed concepts for signal analysis, supply chain optimization, and threat modeling.

AI Software Engineer (IBM Partner) · Software Engineer (AWS Partner)

IBM / Amazon Web Services ·

Remote / Washington DC

- Developed IBM Watson Assistant and Discovery integrations and NLP automation for enterprise and government use cases.
- Worked with AWS partner teams on GovCloud, Lambda, S3, and SageMaker architecture for aviation and defense use cases.

TECHNICAL SKILLS

Languages: Python, TypeScript, Rust, Scala, GoLang, SQL

AI and Machine Learning: PyTorch, XGBoost, logistic regression, Random Cut Forest, Isolation Forest, anomaly detection, classification, model calibration, feature engineering, NLP, OCR, YOLOv8, ONNX, TensorRT

Generative AI: Amazon Bedrock, Bedrock Agents, Knowledge Bases, RAG, GraphRAG, hybrid retrieval, reranking, LangChain, LangGraph, MCP, vLLM, agent orchestration, model evaluation, guardrails

Data Engineering: Apache Spark, Kafka, Airflow, dbt, Databricks, AWS Glue, Athena, Redshift, PostgreSQL, pgvector, Qdrant, ETL/ELT, data modeling, data-quality validation

Cloud and Distributed Systems: AWS, AWS GovCloud, GCP, SageMaker, Neptune, Lambda, Step Functions, AppSync, Kinesis, EventBridge, S3, SQS, QuickSight, Salesforce integrations

MLOps and Infrastructure: SageMaker Feature Store, Pipelines, Model Registry, Clarify, Model Monitor, Terraform, Terragrunt, Docker, Kubernetes, CloudWatch, Secrets Manager, CI/CD

EDUCATION

University of Colorado Boulder | MS in Computer Science, in progress | Expected 2027

Virginia Commonwealth University | BA in Computer Science, in progress | Expected 2026