Donald Kaze
(240) 614-6708
Kdonald5@gmail.com Senior Machine Learning Engineer **Public Trust Clearance | AWS Certified Machine Learning – Specialty**

Data & AI/ML Engineer
Accenture Federal Services (Contract) ·
Remote | Jan 2021 – Present

- Designed and deployed end-to-end machine learning and AI pipelines on AWS SageMaker and OCI, integrating structured/unstructured data for predictive analytics and diagnostics.
- Integrated AI/ML APIs (OpenAI, AWS SageMaker endpoints) into production-grade applications supporting anomaly detection and automated insights.
- Implemented vector-based search and retrieval systems for unstructured data processing, leveraging embeddings and RAG-style workflows.
- Applied prompt engineering techniques and LLM orchestration with LangChain for dynamic query generation
- Partnered with software and data engineering teams to develop microservices and REST APIs powering ML model inference and monitoring.
- Integrated vector databases (Pinecone and pgvector) to enable semantic search and context retrieval in RAG workflows.
- Contributed to CI/CD automation for model deployment and retraining using Git-based workflows and Infrastructure-as-Code.
- Documented and standardized AI/ML architecture frameworks, enabling reproducibility and compliance across projects.

Senior Data Engineer
Charter Communications ·
Remote | Jan 2017 – Jan 2021

- Built and maintained data pipelines (ETL/ELT) on Oracle Exadata and Snowflake, preparing large-scale datasets (4TB+) for ML model training.
- Partnered with data scientists to deliver ML-ready datasets, ensuring accuracy and lineage for production deployment.
- Developed Python-based automation for feature engineering, data validation, and quality monitoring.
- Supported migration of analytics infrastructure to cloud environments (AWS) with focus on security, performance, and scalability.
- Collaborated across teams to enhance data observability and governance for regulated industries.

Sr. Database Administrator
Centene Corporation ·
St. Louis, MO | Jul 2015 – Jan 2017

- Administered enterprise Oracle and SQL Server databases for mission-critical systems, ensuring high availability and performance.
- Automated maintenance and reporting workflows in Python and SQL, boosting operational efficiency and reliability.

- Contributed to data security hardening, backup optimization, and disaster recovery readiness under strict SLAs.

Core Technical Skills

- **AI/ML & APIs:** OpenAI API, AWS SageMaker, Hugging Face, LangChain, TensorFlow, scikit-learn, model monitoring, embeddings, RAG systems
- **Programming:** Python, SQL, Bash, REST/GraphQL APIs, Git, CI/CD
- **Data Engineering:** Snowflake, ETL design, data integration, unstructured data pipelines
- **Cloud & Infrastructure:** AWS (Lambda, EC2, S3), OCI, containerized deployments
- **Collaboration:** Agile environments, architecture documentation, stakeholder communication

Education Bachelor of Science in Computer Science – University of Buea

Certifications

- AWS Certified Machine Learning – Specialty
- AWS Solutions Architect – Associate
- Generative AI Specialization (Johns Hopkins University – in progress)

Security Clearance: Active Public Trust