BHAVIK MUNDRA

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OBJECTIVE

Data Engineer with 1+ years at TCS (Vanguard client), delivering production PySpark ETL pipelines on AWS Glue and EMR on EKS. 4× AWS Certified. Seeking Data Engineer or Cloud Engineer roles.

EXPERIENCE

Data Engineer – Tata Consultancy Services   Mar 2025 - Present
Vanguard Project — Client-Embedded Team   *Indore, India*

- Collaborated directly with Vanguard's US-based team to migrate mainframe/COBOL ETL jobs and DB2 data to AWS, enabling real-time client portfolio calculations.
- Developed production-grade PySpark ETL pipelines in AWS Glue, serverless Lambda functions, orchestrated via Step Functions, with S3 storage and CloudFormation (IaC).
- Designed secure, cost-efficient AWS architecture for regulated financial workloads.

TECHNICAL SKILLS

Cloud Platforms	AWS (Glue, PySpark ETL, Lambda, Step Functions, S3, EMR on EKS, Kinesis, CloudFormation)
Big Data	PySpark, Spark Streaming, Apache Iceberg, Athena
Infrastructure	Terraform (IaC), Docker, Kubernetes (EKS), Karpenter, ArgoCD, Argo Workflows
Languages	Python, C, C++, Java, SQL, Bash
Frameworks	Pandas, NumPy, Flask, Django
Databases	PostgreSQL, MySQL, MongoDB, DynamoDB
ML / AI	Amazon SageMaker, Bedrock (Titan), Embeddings, Anomaly Detection

PROJECTS

Real-Time Fraud Detection with PySpark on EKS SageMaker   GitHub
Engineered serverless pipeline ingesting 50k TPS via Kinesis; performed PySpark streaming aggregations on EKS with SageMaker ML inference, cutting false positives by 41%.

Iceberg Data Lakehouse with Glue Athena (68% Cost Reduction)   GitHub
Designed zero-ETL lakehouse using Glue crawlers, PySpark jobs, and Iceberg tables; enabled schema evolution and reduced Athena query costs by 68%.

Multi-Domain Data Processing on EKS with Argo Workflows   GitHub
Implemented Kubernetes-native data mesh with ArgoCD-orchestrated PySpark jobs across sales/inventory domains on EKS, ensuring isolated scaling and cost tagging.

EDUCATION

Bachelor of Technology in Computer Science and Engineering   2020 - 2024
Acropolis Institute of Technology and Research, Indore   CGPA: 7.86

CERTIFICATIONS

- AWS Certified Developer – Associate
- AWS Certified Data Engineer – Associate
- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner