KRISHNA MYNAMPATI

LEAD DATA ENGINEER | DATABRICKS | CLOUD DATA PLATFORMS

Smyrna, GA | 510-876-7205 | mbvsaikrishna@gmail.com | Open to relocation

PROFESSIONAL SUMMARY

Lead Data Engineer with 10+ years across software and data engineering, including 4.5 years of hands-on Databricks experience. Owns enterprise Azure data platforms from ingestion and lakehouse design through governed analytics and production support. Leads SQL Server, SSIS and warehouse modernization to Synapse and Microsoft Fabric. Enterprise data architecture team member and co-lead of a chapter of 15 engineers. Builds independent web and mobile products with hands-on release validation.

CORE EXPERTISE

Focus: Azure Databricks, Apache Spark, PySpark, Spark SQL, Delta Lake, Databricks Workflows/Jobs, Python, SQL and T-SQL

Cloud and analytics: Azure Databricks, Azure Data Factory, Synapse, ADLS Gen2, Microsoft Fabric, OneLake, Lakehouse, Warehouse, Power BI semantic models, Direct Lake

Architecture and delivery: Medallion architecture, metadata-driven ingestion, incremental loads, dimensional modeling, data quality, performance tuning, Git, Azure DevOps CI/CD

Governance: Microsoft Purview, Azure Key Vault, RBAC, lineage, sensitivity labels, source-to-target validation

PROFESSIONAL EXPERIENCE

Lead Data Engineer | Marathon Petroleum Corporation

May 2022 - Present | Remote

- Own enterprise Azure data platforms supporting commodity trading, EHS, compliance, security, operations and safety reporting, from ingestion through governed analytics and production support.
- Partner with business analysts, architects, data scientists and downstream consumers to translate source-system and business requirements into reliable data products.
- Build ETL/ELT pipelines with Databricks, Azure Data Factory and Synapse using PySpark and Spark SQL; integrate APIs, databases, ERP/CRM systems, files and streaming sources.
- Lead migration of SQL Server, SSIS and legacy warehouse workloads to Azure Synapse and Microsoft Fabric; develop Power BI semantic models using Direct Lake.
- Design bronze, silver and gold lakehouse layers, reusable metadata-driven ingestion frameworks and curated dimensional models for reporting and analytics.
- Improve pipeline runtime and data freshness through parallel processing, incremental loading, query tuning and storage optimization.
- Implement data quality, source-to-target validation, RBAC, lineage and sensitivity labels; use Azure DevOps CI/CD for controlled releases across development, QA and production.
- Serve on the enterprise data architecture team and co-lead a chapter of 15 engineers through technical standards, solution design reviews and mentoring.

PROFESSIONAL EXPERIENCE CONTINUED

Lead SQL Developer | Blue Cross Blue Shield of California

Apr 2021 - May 2022 | Remote

- Led two QA engineering teams in testing and data-quality practices and directed two developers delivering SQL and ETL solutions for enterprise reporting.
- Partnered with business analysts on reporting requirements, reconciliation and source-to-target validation; designed and optimized stored procedures, SQL queries and ETL pipelines.
- Automated recurring reporting, reducing manual effort by approximately 40%.

.NET Developer | Medical Mutual

Oct 2019 - Apr 2021 | Cleveland, OH

- Developed enterprise web applications and backend services with C#, ASP.NET and JavaScript supporting healthcare business workflows.
- Investigated performance and reliability issues and collaborated with cross-functional Agile teams on development and resolution.

Software Developer | GE HealthCare

Jan 2018 - Oct 2019 | Remote

- Built internal web applications and backend integrations for clinical workflows, including SQL and ETL processes; integrated internal and third-party APIs and improved front-end usability.

Software Engineer in Test (Contract) | Enterprise Software Consulting

Jan 2017 - Dec 2017

- Executed manual and automated testing to validate functionality, performance and reliability before enterprise production releases.

Technical Consultant | Barnes & Noble, Inc.

May 2016 - Dec 2016 | San Francisco Bay Area

- Led implementation of the MetricStream Third-Party Management platform, translating stakeholder requirements into configuration and coordinating delivery.

INDEPENDENT PRODUCT DEVELOPMENT

AMDJS | Artist Discovery and Music Experience

2024 - Present | Independent product

- Build and maintain an artist discovery and music experience across web and mobile, including artist profiles, videos, playable mixes, editorial content and agency enquiries.
- Develop React Native, Expo and TypeScript applications backed by Supabase and PostgreSQL; connect content administration and booking workflows, using persistent receipts to prevent duplicate jobs on retry.
- Use Claude Code, OpenAI Codex and Cursor for architecture, development and debugging with hands-on code review and release validation. Earlier implementations used Swift, Node.js, Redis and AWS EC2, RDS and S3.

EDUCATION AND CERTIFICATIONS

M.S. Computer Science | Northwestern Polytechnic University, Fremont, CA | 2015 - 2017

B.Tech. Electronics Engineering | ICFAI University, India | 2007 - 2012

Microsoft Certified: Azure Fundamentals (AZ-900) | Certified MetricStream Developer