

KRISHNA MYNAMPATI

Lead Data Engineer | Azure | Microsoft Fabric | Databricks

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

LinkedIn | Portfolio: kmbuilds.pages.dev | Remote or hybrid | Open to relocation

PROFESSIONAL SUMMARY

Lead Data Engineer with 10+ years of software and data engineering experience. Owns enterprise Azure and Microsoft Fabric platforms from ingestion and lakehouse architecture through analytics and production support. Serves on the enterprise data architecture team and co-leads a chapter of 15 data engineers. Hands-on expertise in Azure Data Factory, Synapse, Databricks, PySpark, SQL, dimensional modeling, governance, and CI/CD. Applies AI-assisted development with Claude, ChatGPT, Codex, and Cursor to accelerate software delivery and independent product development.

TECHNICAL SKILLS

Microsoft Fabric: OneLake, Lakehouse, Warehouse, Data Pipelines, Notebooks, Direct Lake

Azure and data platforms: Azure Data Factory, Azure Synapse Analytics, Azure Databricks, ADLS Gen2, SQL Server, SSIS, Azure ML

Engineering: Python, PySpark, Spark SQL, SQL, T-SQL, ETL/ELT, batch and incremental processing, streaming ingestion, medallion architecture, star and snowflake schemas

Analytics and operations: Power BI semantic models, query tuning, partitioning, indexing, RBAC, lineage, sensitivity labels, Git, Azure DevOps, CI/CD

AI and application development: Claude, ChatGPT, Claude Code, OpenAI Codex, Cursor; C#, ASP.NET, JavaScript, TypeScript, React Native, Expo, Supabase, Swift, Node.js, REST APIs, PostgreSQL, Redis

PROFESSIONAL EXPERIENCE

Lead Data Engineer | Marathon Petroleum Corporation

Remote | May 2022 - Present

- Own enterprise Azure data platforms across commodity trading, EHS and compliance, security, operations, and safety reporting; deliver ingestion, transformation, lakehouse design, analytics, and production support.
- Serve on the enterprise data architecture team and co-lead a chapter of 15 data engineers, establishing technical standards, reviewing solution designs, and mentoring engineers.
- Build ETL/ELT pipelines with Azure Data Factory, Synapse, and Databricks using PySpark and Spark SQL; integrate APIs, databases, ERP/CRM systems, flat files, and streaming sources.
- Design Microsoft Fabric solutions using OneLake, Lakehouse, Warehouse, Data Pipelines, and Notebooks; implement bronze, silver, and gold layers with dimensional models and reusable metadata-driven ingestion frameworks.
- Improve pipeline runtime and data freshness through parallel processing, incremental loads, and query and storage optimization; develop Power BI semantic models using Direct Lake.
- Lead migration of SQL Server, SSIS, and legacy warehouses to Azure Synapse and Fabric. Implement RBAC, lineage, sensitivity labels, and Azure DevOps CI/CD across DEV, QA, and PROD.
- Use Claude and ChatGPT for AI-assisted development to accelerate delivery while retaining hands-on ownership of platform engineering and support.

PROFESSIONAL EXPERIENCE CONTINUED

Lead SQL Developer | Blue Cross Blue Shield of California

Remote | April 2021 - May 2022

- Led two QA engineering teams in testing and data-quality practices and directed two developers delivering SQL and ETL solutions for enterprise reporting.
- Designed and optimized stored procedures, SQL queries, and ETL pipelines; partnered with business analysts to translate reporting requirements into reconciled data delivery.
- Automated recurring reporting, reducing manual effort by approximately 40%; strengthened data integrity with source-to-target validation.

.NET Developer | Medical Mutual

Cleveland, OH | October 2019 - April 2021

- Developed enterprise web applications and backend services with C#, ASP.NET, and JavaScript. Resolved performance and reliability issues within cross-functional Agile teams.

Software Developer | GE HealthCare

Remote | January 2018 - October 2019

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

Software Engineer in Test Contract | Enterprise Software Consulting

January 2017 - December 2017

- Executed manual and automated testing for enterprise releases, validating functionality, performance, and reliability before production deployment.

Technical Consultant | Barnes & Noble, Inc.

San Francisco Bay Area | May 2016 - December 2016

- Led implementation of the MetricStream Third-Party Management platform, gathering requirements, configuring the solution, and coordinating delivery with stakeholders.

AI ASSISTED PRODUCT DEVELOPMENT

AMDJs | Artist Discovery and Music Experience

2024 - Present

- Build a connected artist discovery and music experience across web and mobile: artist profiles, videos, playable mixes, editorial stories and agency enquiries. The agency website is live; the app is in TestFlight beta.
- Develop the current app with React Native, Expo and TypeScript, backed by Supabase and PostgreSQL. Connect discovery, media, content administration and booking workflows; use 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 implementation experience includes Swift, Node.js, PostgreSQL, Redis and AWS.

EDUCATION

Master of Science, Computer Science | Northwestern Polytechnic University, Fremont, CA | 2015 - 2017

Bachelor of Technology, Electronics Engineering | ICFAI University, India | 2007 - 2012

CERTIFICATIONS

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