Sripathi Mohanasundaram

SENIOR DATA ENGINEER

Data Engineer with 8+ years of experience building cloud-native platforms for analytics, ML, and Generative AI. Expert in high-performance pipelines, cost-efficient Azure/Databricks solutions, and operational excellence. Blend GenAI innovation with robust engineering to deliver business impact; known for transparent leadership, problem-solving, and client-first execution in fast-paced environments.

How to reach me

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Linkedin: Sripathi Mohanasundaram
Location: Chennai

Portfolio

Github: https://github.com/microize
Kaggle: https://www.kaggle.com/microize
Website: sripathim.com

Professional Skills

Skill:

Data Engineering, Generative AI, Data science, Machine Learning, Agentic AI, Prompt Engineering, Retrival Augmented Generation, Data Modelling, Dimensional Modelling

Programming:

Python, SQL, Pyspark

Tools:

- Azure Data Factory
- Azure Databricks
- Azure Data Lake
- Azure Foundry
- Azure ML Studio
- Microsoft Fabric
- Delta Lake
- Tableau
- Power BI

Python Libraries:

Langchain, Langraph, Crew AI, Pandas, Numpy, Scikit-Learn, Unsloth, Transformers

Languages:

English, Tamil

Achievements:

Won multiple internal hackathons at Fractal, recognized for Generative AI solutions, prompt engineering, UI/UX design, and end-to-end implementation.

Also received internal awards for innovative solution delivery, including the Eureka Award, and the Standing Example Torch Bearer Award for mentoring and guiding team members.

Experience

Senior Data Engineer - Azure | Fractal Analytics | Jan 23 to Present

Working for Fortune 500 U.S. CPG Client – Transportation Domain

- Engineered scalable metadata pipelines with Databricks and Azure, enabling rapid onboarding of new data sources, integration of 300+ Oracle, SQL Server, API, and reporting systems, and expansion across multiple regions.
- Migrated enterprise data from Azure Synapse to Microsoft Fabric OneLake, improving integrity, storage efficiency, and reducing costs.
- Delivered AI-driven solutions, including an in-store Virtual Assistant with Azure OpenAI for ticket automation and RAG-based architectures to enhance architect workflows.
- Developed voice-to-voice chatbots to support engineer upskilling and contributed to organization-wide capability building in Generative AI and data engineering.
- Led a cross-functional team of 6 engineers, delivering enterprise-scale solutions aligned with business growth and operational efficiency.

Data Engineer - Azure | Accenture AI | Sep 21 to Dec 22

Worked for a US-based Fortune 500 Insurance client - FInance, HR Domain

- Designed and deployed robust ETL pipelines for efficient data staging, transformation, and loading into Azure Data Warehouse, prioritizing performance and scalability.
- Utilized Azure Data Factory to streamline workflow orchestration and monitor pipeline operations, enhancing data integration processes.
- Applied Azure Databricks and PySpark for advanced data cleansing, transformation, and processing, resulting in significant improvements in data quality and processing speed.
- Authored and optimized SQL scripts for seamless data modeling, extraction, and management tasks.
- Performed detailed data profiling, validation, and quality assurance to uphold accuracy and consistency across datasets.

Consultant - Data Analyst | Quest-Global | Jun 19 to Sep 21

Worked for US-based Fortune 500 Oil & Gas client

- Responsible for gathering required data from client and client's data repositories for analysis.
- Analyze & validate the collected data (Oil Production, Air Emission, Electrical data).
- Communicate the findings to stakeholders via Tableau dashboards for various workflows.

Software Engineer | Asenton Technologies | Feb 16 to Feb 18

Asenton Technologies is a WooCommerce Plugin development company.

- Developed Text Classification ML model as POC for identifying customer sentiments on customer response and customer queries.
- Developed Classification ML model as POC to predict customer churn.
- Participated in all phases of data science including data collection, data cleaning, and data preprocessing.
- Responsible for analysing the success of marketing campaigns & sales of different products
- Developed a Woocomerce plugin for infinite scrolling

Education

B.E. (Electrical & Electronics Engineering) | Anna University | 2011 - 2015 | CGPA: 73.2

PG DIPLOMA (Thermal Powerplant Engineering) | NPTI | 2018 - 2019 | Percentage: 76%

Notable Personal Projects : Soul CLI, Agentic Coding Assistant

*Reverse-engineered the Claude Code CLI and enhanced the Gemini CLI by adding advanced prompt-layer functionalities. Integrated learnings from Claude Code tools to improve planning and task management within Gemini CLI. Published as Soul CLI, available at "**https://www.npmjs.com/package/@nightskyai/soul-cli-ai**" , and adopted by developers to accelerate AI-powered coding productivity.*