

SAI MANOHAR BOIDAPU

JOB OBJECTIVE

Data Engineering professional with a focus on **cloud architecture and data-centric solutions**, targeting senior-level roles in data engineering and cloud technology sectors to leverage extensive experience in AWS and data platform development.

PROFILE SUMMARY

- Possess over 11 years of experience in the field of data engineering, specializing in cloud architecture and data solutions across various industries
- Spearheaded the design and implementation of **modern data platforms** using distributed systems, Big Data technologies, and real-time data pipelines across diverse industry verticals.
- Drove **end-to-end data engineering initiatives**, including ingestion, transformation, warehousing, and streaming, with robust frameworks like Apache Spark (PySpark), Kafka, Airflow, dbt and Snowflake.
- Led **cross-functional, high-performing teams**, fostering a culture of innovation, agile delivery, and DevSecOps best practices to accelerate time-to-insight.
- Experience with **managing on-prem workloads** as well as **migrating workloads to Cloud**, specifically AWS while optimizing the cost of Cloud based workloads.
- Recognized for **building cloud-optimized architectures**, developing business strategies and influencing product roadmap by working closely with Cloud Engineering Teams.
- Collaborated with business and technology stakeholders to translate data strategies into **platform architecture and execution roadmaps**, delivering measurable impact.
- Championed **data quality, lineage and governance frameworks**, integrating scalable observability and monitoring solutions for proactive system health.
- Recognized for building **enterprise-grade data solutions** that support predictive analytics, AI/ML pipelines.

WORK EXPERIENCE

Pluralsight – Bengaluru, India as Technical Lead (Senior Data Engineer) | Jan 2023 – Jun 2025

Responsibilities:

- Led a cross-functional team of 10+ engineers across data engineering, platform, and analytics functions.
- Architected and implemented scalable modern data platforms utilizing AWS, Spark, Kafka, Materialize, DBT, Snowflake, and Kubernetes.
- Designed and maintained optimized ETL pipelines to support Market Intelligence and Leader Plan Analytics.
- Led IT infrastructure and operations organization towards a primarily Cloud/AWS based operations.
- Led requirement gathering, capacity planning, project estimation, and scheduling while managing stakeholders and ensuring timely delivery using Agile methodologies.
- Assessed current deployment process to identify bottlenecks and implement solutions towards a continuous deployment and continuous integration (CI/CD).
- Championed DevOps practices by integrating CI/CD workflows using GitLab pipelines.

Achievements:

- Improved ETL pipeline efficiency by **30%** and reduced data latency by **40%** through architectural optimization.
- Increased deployment frequency by **25%** through CI/CD automation, reducing manual workloads significantly.
- Ensured **100% on-time delivery** for mission-critical data migration projects.
- Boosted overall team productivity by **20%** through the automation of repetitive tasks and improved stakeholder alignment.

CONTACT

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EDUCATION

Bachelor of Technology, Computer Science and Engineering from Raghu Engineering College – Visakhapatnam, India: 2014

CERTIFICATIONS

Oracle Cloud Infrastructure 2024 Generative AI Professional (1Z0-1127-24)

CORE COMPETENCIES

Data Architecture Design	<div></div>
Cloud Data Engineering (AWS, Snowflake)	<div></div>
ETL Pipeline Development	<div></div>
Distributed Systems Engineering	<div></div>
Team Leadership & Mentorship	<div></div>
CI/CD & DevSecOps Implementation	<div></div>
Stakeholder & Cross-Functional Collaboration	<div></div>
Big Data Ecosystem (Hadoop, Spark, Kafka)	<div></div>
Platform Scalability & Performance Optimization	<div></div>
Strategic Project Delivery	<div></div>
Automation & Infrastructure as Code (IaC)	<div></div>
Agile Methodologies & Delivery Excellence	<div></div>

SOFT SKILLS

Negotiation & Conflict Management

Team Building & Interpersonal Skills

High Business Ethics & Trustworthy

Analytical & Problem-solving

Effective Management Skills

Leadership and Delegation

TECHNICAL SKILLS

Cloud Platforms: AWS (Glue, Redshift, EMR, S3, EKS), Snowflake, OCI

Big Data & Processing: Apache Spark (PySpark), Hive, Kafka, DBT, Airflow, Familiarity with Delta Lake

Infrastructure & DevOps: CI/CD, GitLab Pipelines, Terraform, Kubernetes, CloudFormation

Streaming & Analytics: Materialize, Kinesis, Real-time ETL Design

Monitoring & Observability: Datadog, Splunk, CloudWatch

Languages: Python, SQL, Java

Data Modeling & Architecture: Dimensional Modeling (Star/Snowflake), Normalization (3NF), Conceptual & Logical Modeling, Data Vault (basic familiarity)

ACCOMPLISHMENTS

Skillenza Kreate Hackathon – Bengaluru, India, Winner: 2019

Secured 1st place in a national-level hackathon hosted by Kalaari Capital, leading a team of four to develop an innovative data-driven solution.

Tech Sparks Hackathon – Bengaluru, India, Finalist: 2015

Earned 3rd place as part of a three-person team in the Tech Sparks Hackathon for delivering a high-impact data analysis project

PERSONAL DETAILS

Date of Birth: 04 Jan 1993

Languages Known: English, Hindi, Telugu

Address: Flat-207, JD Blossom, 2nd Cross, Selvaraj Layout, 1st Main Rd, Seegehalli, K.R. Puram, Bengaluru - 560049

Eli Lilly and Company – Bengaluru, India as AWS Cloud Data Engineer (Consultant I) | Aug 2020 – Jan 2023

Responsibilities:

- Designed and developed robust cloud-based data platforms leveraging AWS services like Glue, Redshift, DynamoDB, and Athena.
- Created Infrastructure as Code (IaC) templates using AWS CloudFormation for reliable, repeatable deployments.
- Participated in disaster recovery planning and execution to ensure data availability and business continuity.
- Conducted proof-of-value evaluations to validate the feasibility of new cloud data solutions.
- Worked cross-functionally with data scientists, architects, and analysts to improve data reliability and scalability.

Achievements:

- Reduced data processing time by **20%** through optimization of cloud-native data pipelines.
- Automated infrastructure provisioning, slashing deployment time by **95%** using CloudFormation.
- Delivered a disaster recovery solution that maintained **99.9% system uptime** during AWS regional failures.
- Executed POV pilots that directly influenced enterprise data platform strategies.

Affine Analytics – Bengaluru, India as Senior Associate, Analytics Engineering Group | Sep 2018 – Aug 2020

Responsibilities:

- Migrated critical analytics workloads from on-premise systems to AWS Redshift.
- Configured and managed Matillion ETL jobs for batch processing and log data ingestion.
- Designed modular and reusable components for both batch and streaming data pipelines.
- Conducted performance tuning and data quality checks to ensure integrity and reliability.

Achievements:

- Boosted query performance by **35%** and reduced AWS operational costs post-migration.
- Enhanced system reliability by **20%** through proactive log data analysis and root-cause mitigation.
- Received the **Affine Transformer Award** for outstanding work.
- Cut development cycle times by **30%** via reusable pipeline component design.

Mphasis – Bengaluru, India as Delivery Software Engineer | June 2014 – Sep 2018

Responsibilities:

- Built and maintained Hadoop-based ETL workflows to support enterprise reporting.
- Developed custom SSRS (SQL Server Reporting Services) dashboards and reports for operational insights.
- Worked closely with clients to understand business needs and deliver scalable data solutions.

Achievements:

- Automated reporting processes, saving **15 hours/week** of manual effort.
- Received the **Mphasis Monthly Summit Award** for client satisfaction and innovation.
- Delivered actionable insights from large-scale datasets using Hadoop-based ETL.