# Professional Summary

Cloud and Data Engineering Leader with experience in designing and implementing scalable, secure, and high-performance data platform solutions on AWS and Azure. Proven track record of delivering enterprise-grade solutions for Fortune 500 clients across healthcare, retail, and finance. Expert in Sparkflows, Spark, Scala, Python, and cloud-native tools, with a passion for automation, data governance, and cross-functional collaboration.

# Technical Skills

Cloud Platforms: AWS (S3, EC2, EMR, IAM, RDS, ECR, ECS, EKS, Glue, Athena, MWAA), Azure (Data Lake, Synapse, Data Factory, Key Vault, DevOps)

Big Data & Analytics: Spark, Hadoop, Databricks, Snowflake, Incorta

Programming: Scala, Python, Java, SQL, Groovy, JavaScript, Unix Shell Scripting

DevOps & Tools: Terraform, Jenkins, Docker, GitHub, Airflow, Jupyter, Grafana, Azure DevOps,

Testing & Automation: Selenium, TOSCA, TestNG, ReadyAPI

Domains: Healthcare, Retail, Telecom, Manufacturing, Financial Services

# Certifications

AWS Certified Solution Architect Associate

Project Management Professional from Project Management Institute

# Recent Projects

## Multi-Tenant Data Platform Automation and Integration

Principal Engineer, Solution Architect – Cloud & Data Engineering | Optum, USA | Aug 2021 – Present

Description - A robust data platform which is unified and actionable that transforms raw data into meaningful insights that enhance customer experience, drive revenue, and shape brand identity

Tech Stack: AWS, Spark, Scala, Python, Airflow, Terraform, Azure, Databricks, Unity Catalog, Delta Live, Data Lake, Synapse, Data Factory, Key Vault

* Automated deployment of AWS Infrastructure, Installation of Apache Airflow and Spark flows services using Terraform, reducing setup time by 90% and eliminating manual errors.
* Automated the deployment of Databricks and Azure infrastructure enhancing of automation of Databricks development
* Integrated Sparkflows with Sentinel and Guardian, enhancing governance across 100% of production pipelines.
* Developed reusable “Lego blocks” for data pipelines, cutting pipeline development time by 75%.
* Trained 50+ tenants, achieving full operational readiness within 2 weeks per tenant.

## Intelligent Healthcare Data Platform

Principal Engineer, Solution Architect – Cloud & Data Engineering | Change Healthcare, USA | Jun 2018 – Jul 2021

Description - This platform enables payers to meet CMS Interoperability Guidelines by securely sharing five years of comprehensive claims data via APIs. The initiative is a collaborative effort across multiple teams, including Platform, Product, Data Services, IAM, and payer organizations

Tech Stack: AWS, Spark, Scala, Python, Airflow, Terraform, Azure Databricks, Unity Catalog, Delta Live, Data Lake, Synapse, Data Factory, Key Vault

* Aligned cross-functional teams to deploy scalable ingestion pipelines, reducing integration lead time by 30%.
* Automated infrastructure provisioning with Terraform and Airflow, cutting manual deployment effort by 40%.
* Enforced governance via Unity Catalog and Key Vault, ensuring 100% compliance with data security standards.
* Translated regulatory requirements into modular IaC templates, accelerating audit readiness by 2 weeks.
* Standardized partner onboarding with reusable data contracts, improving ingestion success rate by 25%.

## Past Experience

* Developed reusable Terraform frameworks for infrastructure deployment across AWS, Azure, and GCP.
* Developed a AWS framework used by multiple accounts to deploy policies and roles
* Led PMO functions for two major business transformation programs at Wipro.
* Managed multiple telecom projects, ensuring timely delivery and stakeholder alignment.
* Oversaw custom reporting implementation for a leading asset management firm.
* Advised automation teams on Tricentis TOSCA and Wipro AssureNXT adoption.
* Promoted shift-left testing by integrating automation early in the SDLC.
* Mentored teams on reusable test design, fostering collaboration and efficiency.
* Aligned automation strategies with business goals to ensure long-term value.
* Served as Performance Analyst for a top-tier insurance organization.
* Led platform development for the R&D division of a global automotive leader.
* Acted as Business Analyst for a mobile workforce distribution solution.