

SUMMARY

Results-driven Data Engineer with 4.5 years of experience at Accenture, specializing in Big Data, cloud-native development, and real-time data processing. Proven expertise in designing scalable data pipelines, serverless architectures, and stream processing solutions using AWS, GCP, and open-source technologies like Apache Spark and Kafka. Adept at collaborating with cross-functional teams, resolving production issues, and implementing infrastructure as code. Passionate about building efficient, data-driven systems and continuously expanding expertise in modern data engineering practices.

PROFESSIONAL EXPERIENCE

AI Engineering Senior Analyst

Apr '25 - Present

Accenture Solutions Pvt Ltd

Gurugram, Haryana (Hybrid)

- Improved an AI agent solution for Vertex Inc., automating taxpayer workflows and reducing manual effort by ~60%.
 - Built and fine-tuned AI models on Microsoft Azure, improving response accuracy by ~30%.
 - Integrated multiple enterprise tools via MCP server to enable automated task execution and scalable workflows.
 - Enforced logging and monitoring using Datadog to improve system reliability and faster troubleshooting.
 - Co-developed the AI Copilot product, leveraging an LLMCompiler framework alongside RAG (Retrieval-Augmented Generation) to index, embed, and query massive article repositories for highly accurate user responses.
 - Implemented an advanced Copilot architecture using LLMCompiler and LangGraph for multi-step task planning and state management.
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- Led the migration of existing GCP infrastructure into Terraform (IaC) using the GCP Terraform Registry.
 - Managed live resources using core Terraform commands such as import, plan, apply, and destroy.
 - Leveraged Google's latest AI models to efficiently replicate and standardize resource creation across 60+ GCP projects.
 - Automated infrastructure tracking and validation by integrating AI-driven workflows with Excel-based configuration data.
 - Authored multiple Methods of Procedure (MOPs) for Change Requests (CRs) and actively participated in troubleshooting and resolution activities.

Full Stack Engineering Analyst

Oct '21 - Apr '25

Accenture Solutions Pvt Ltd

Gurugram, Haryana (Hybrid)

- Conducted comprehensive code reviews and collaborated with cross-functional teams to ensure adherence to best practices in API development and system integration.
- Designed and deployed backend services using AWS Lambda and API Gateway, enabling scalable serverless architectures and efficient request handling.
- Developed RESTful APIs via AWS API Gateway, enhancing interoperability between microservices and improving system scalability.
- Automated infrastructure provisioning and management using Infrastructure as Code (IaC) tools such as AWS CloudFormation and Terraform.
- Implemented robust monitoring and logging solutions using AWS CloudWatch to proactively track API performance and troubleshoot production issues.
- Worked with Google Cloud Storage to manage data across multiple availability zones, ensuring high availability and durability.
- Built and maintained data pipelines using Apache Airflow and Google Cloud Composer for orchestration, ensuring timely and reliable data processing.
- Leveraged Apache Spark on Google Cloud Dataproc for distributed data analytics and collaborative data science initiatives.
- Operated within Site Reliability Engineering (SRE) teams to address real-time production issues in data pipelines using tools like Kafka, Splunk, and Databricks.
- Designed and developed Spark-based stream processing applications for large-scale real-time data ingestion and transformation.
- Performed ETL pipeline development, data modeling, and reporting tasks to support business intelligence and analytics efforts.
- Participated in the design and maintenance of data pipelines using Apache Kafka and Spark on Databricks for real-time data ingestion and processing.
- Contributed to the implementation of CI/CD pipelines, following Agile methodologies and DevOps best practices for continuous delivery and deployment.
- Collaborated with architecture and cross-functional IT teams to ensure alignment between business requirements and technical solutions.
- Engaged directly with client teams for requirement gathering, solution design, and implementation support.
- Handled operational support tasks such as debugging and reprocessing failed/stuck orders as part of ongoing SRE responsibilities.

- Trained in a wide range of Big Data technologies including Hadoop, Spark, Hive, YARN, HBase, and NoSQL databases, enabling effective large-scale data management.

Education

JECRC University, Jaipur	Jul '17 - Jul '21
B.Tech in Computer science and Engineering	Jaipur, Rajasthan
• CGPA: 9.45	

Key Skills

Requirement Gathering

Leadership

Automation

GCP

AWS

Azure

Technical Skills

Claude Code

Agentic AI

MCP

Datadog

AIDLC

AWS

API Integration

Python

PostgreSQL

Linux

Apache Kafka

Apache Spark

SQL

Hadoop

Stream Tasks

Query Optimisation

Indexing

MongoDB

Certifications

- Explore Generative AI with the Vertex AI Gemini API
- Multi AI Agent Systems with crewAI (Course on crew.ai)
- GCP Associate Cloud Engineer
- GCP Professional Data Engineer

Accomplishments

- **Judge of Botathon 2.0** - Invited by my College to judge a hackathon based on RPA (robotics process automation)
- Qualified GATE - Computer Science Exam 2021, 2022