

Rajesh Singh

Principal Consultant
Profile

Rajesh is a senior data architect professional with over 15 years of experience in the IT industry. He is an expert in software product development, enterprise architecture, consulting, app and data transformation, handling customer escalation, and project management.

Rajesh drives global data transformation programs and projects with a focus on providing technical mentorship, building corporate competencies and providing strategic direction.

Rajesh furthermore brings great energy to team environments and displays excellent teamwork, communication, and interpersonal skills to interact with clients and support his strong technical skillset.

Key Skills & Technologies

- Google Cloud Platform
- Microsoft Azure'
- Amazon Web Services
- Data Engineering
- Data Architecture
- Data Analytics
- Data Modeling
- Data Governance
- Data Migration
- Data Visualisation
- Data Wrangling
- Data Science
- ML/AI
- Python
- R
- Java
- Shell
- Apache Beam
- PySpark
- SQL
- MongoDB
- Kafka
- Terraform
- GitLab
- Jira
- Trelo

Consultant Profile

Selected Project Experience

Australian Financial Services Organisation – Senior Data Architect

- Created reference architecture for the Unified Data Platform in GCP
- Led an architecture effort to produce a high-level solution design for Data ingestion, Data processing, Data Lake using Bigquery/GCS, Data Governance and Data analytics capability in GCP
- Ran a series of build activities- batch and streaming ETL data pipeline using Dataflow with Kafka (Apache Beam in Java) etc

Major Australian Supermarket Retailer – Senior Data Architect

- Built a digital transformation strategy for MultiCloud and translated it into an achievable roadmap for C-level executives, product owners and architects
- Defined organisation's automation reference architecture for Azure and GCP for application onboarding; founding member of Cloud Design Authority for endorsing and reviewing multi-cloud patterns/standards
- Built strategic data analysis capability in GCP Data Lake using BigQuery and Tableau. Also, as part of the pilot, built a machine learning model in BigQueryML to predict store services/endpoint failure
- Managed application and infrastructure stakeholders to transform first 20 applications and successfully migrate them to respective private and public (Azure and GCP) clouds. Application transformation included architectural transformation ranging from monolithic to micro services; to grid computing; to data mining of IoT devices, to Hadoop clusters.
- Led architectural engagement and roadmap on organisations behalf - Redhat (Ansible Tower), Microsoft (Azure), Google(GCP) and Dell/VMware (managed private cloud).
- Evangelized service offering such as IaaS, SaaS and PaaS - DBaaS, FaaS, XaaS, Container-as-a-Service, etc. with strong focus on cloud native to achieve IT public and private cloud service goals

Australian Financial Services Organisation – Senior Data Architect

- Created reference architecture for Data Science Platform in GCP
- Led an architecture team to produce low-level solution design for Data ingestion, Data processing, Data Lake using Bigquery/GCS, Data Governance and Data analytics capability in GCP.
- Ran series of PoC - batch and streaming ETL data pipeline using Dataflow with Kafka (Apache Beam in Java), Cloud pub sub and dataproc; Data Lake and BigQuery.



Industry Experience

- Financial Services
- Energy
- Retail
- Technology

Certification

Google Cloud Certified | Professional Data Engineer

Google Cloud Certified | Professional Cloud Architect

Microsoft Azure Certified | Azure Solutions Architect Expert

Bachelor – Technology, Computer Science & Engineering

