

Masoud Alamshah

Senior Consultant

Profile

Masoud holds 13+ years of rich experience as a Technical consultant, and has a wide range of experience in SQL, Cloud Composer, GCP, BigQuery and Dataflow for a variety of public, private and education organisations across Australia.

A GCP Certified Google Cloud Professional Data Engineer, Masoud comes equipped with experience across a broad range of industries including Retail, Financial Services, Energy, Government and Education. Masoud has proven expertise in Data Engineering, Data Migration and Solution Design.

Adaptive, flexible and well versed in managing expectations by motivating teams to focus on a common vision to achieve shared outcomes, Masoud is zealous about developing and implementing improvements in software methodologies and technologies to achieve and deliver value to delight the customer.

Key Skills & Technologies

- Google Cloud Platform
- BigQuery
- Data Engineering
- Data Wrangling
- Data Modelling
- Data Visualisation
- Azure
- Strategic Planning
- System Integration
- Big Data
- Powershell
- Stakeholder Management
- Dataflow
- SAP
- Cloud Composer
- Python
- SQL
- Kubernetes
- Pubsub
- Hadoop
- Terraform
- Linux
- Unix
- TensorFlow
- Apache

Consultant Profile

Selected Project Experience

Financial Services Company – GCP Data Engineer

- Implementation of pipelines in VertexAI using Python and bigquery to process payment files
- Implementation of data processing workflows using DataProc and BigQuery
- Implementation of automated jobs using Cloud Composer and DataProc
- Design and implementation of test cases using Vertex AI
- Execution of test cases and test scenarios using Vertex AI
- Performance tuning of Bigquery views and scripts
- Implementation of payment validation clauses using PySpark
- Building payment health check report using Tableau and Bigquery

Large Australian Energy Operator – Data Engineer

- Implementation of Databricks jobs using Python, Scala and SQL syntax.
- Implementation of JAMS scheduled job using Shell script.
- Implementation of Talend ETLs.
- Execution of test cases and test scenarios.
- Documentation of release notes.
- Documentation of test results.
- Documentation of release plans.
- Deployment of Databricks, Talend, Hive and SQL DW codes.
- Implementation of SQL DW external tables using Polybase technology.
- Implementation of SQL server and Oracle scripts.

Large Australian Energy Operator – Data Engineer

- Designed and implemented new data warehouse with multi-dimensional design using MS SQL Server.
- Designed and develop ETLs to transfer data from production to the DW, using SSIS and T-SQL scripts.
- Designed and implemented reports using SSRS utilizing data warehouse cubes
- Tuned query speeds using various techniques such as indexing, statistics and indexed views and T-SQL.
- Performed quality testing and assurance on data warehouse.

Government Enterprise Client – Data Engineer

- Built solution using Pub/Sub to automate ingestion of incorrect declaration data and enabled the business to perform analytics, understand and track potential revenue recovery.
- Implemented data streaming pipelines using Dataflow, Pub/Sub, Bigquery and DBT.



Industry Experience

- Retail
- Financial Services
- Telecommunications
- Energy
- Government
- Education

Certification

Google Cloud Certified |
Professional Data
Engineer

Microsoft Azure Certified |
Azure Data Associate

Bachelor – Science,
Computer Software |
Azad University, Iran

