Synopsis: Over 8 years of experience, a multi-skilled cloud professional architect leveraging Google Cloud Platform(GCP), Python, Go, Big Data technical stack with specialization on Cloud (IaaS, CaaS services, Infrastructure as Code), Devops(CI/CD pipelines) under Agile methodology on Banking, Telecommunications, Insurance, Healthcare and Media domains.

**Years of Experience**

8 yrs.

**Terraform 0.12**

**Python 3.6**

**Google Cloud Platform**

GCP VPC, Subnet

GCP Kubernetes Engine

GCP Container Registry

GCP Compute Engine

GCP Bigquery

GCP Cloud Storage

GCP Stackdriver

GCloud Scripting(IaaS)

GCP IAM

**Google CLI**

Gcloud, Gsutil, Kubectl, Docker, YAML

**Devops**

Terraform, Ansible

**Big Data**

Talend

Hive

Sqoop

Nifi

Airflow

HBase

Kafka

Zeppelin

Spark SQL

**Data Model**

Erwin Data Modeler r9.7

**RDBMS**

Oracle 10g SQL/PLSQL

Teradata

Mysql

Postgres

**Domain**

Banking

Telecommunications

Insurance

Healthcare

Media

**Scheduling Tools**

Airflow

Control M

**Languages**

Python, Go, Hive, SAS, SQL, PLSQL

**Operating** **Systems**

UNIX (AIX), UNIX (Solaris)

Windows 2010

CERTITIFICATIONS:



GCP Certification Link: <https://www.credential.net/8udval8q>



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| Certification | Institute | Year |
| Google Certified Professional Architect | Google | 2019 |
| AWS Certified Developer – Associate | Amazon Web Services | 2018 |
| Spark Certified Developer | MAPR | 2016 |
| Hadoop Certified Developer | MAPR | 2015 |
| SAS Data Integration Studio | SAS INSITTUTE | 2016 |
| Advance SAS Certified | SAS INSTITUTE | 2015 |
| Base SAS Certified | SAS INSTITUTE | 2013 |
| Fortify Certified Secure Developer | Fortify Software | 2012 |

# KEY EXPERIENCE AND EXPOSURE

* Experience in design, development, implementation, operation improvement and debug cloud environments in GCP and Cloud Management Platform and orchestration tools.
* Experience in automation of the provision of the compute engine resources using Terraform(Infrastructure as Code) and developing deployment templates(python) and YAML configuration files.
* Experience in Kubernetes engine, container registry and docker images as part of automated deployment of applications in cloud.
* Experience in automation & configuration management tools like GCP native tool - deployment manager.
* Experience in leveraging GSUTIL, Bigquery jobs, cloud storage buckets, sqoop and hive for ETL.
* Experience in leveraging Airflow for scheduling jobs.
* Experience in executing shell scripts, file access level commands, VI editor interface.
* Experience in creating technical document, analyzing of project requirement, estimation, planning for new project.

**Software Development Methodology**

Agile

Waterfall

**Project Management Skills**

Estimation

Planning

Tracking

Performance Review Feedback

Mentoring

* Experience in developing a framework for existing data warehouse solution on Hadoop using Hive queries(with workarounds for SCD Type I and II).
* Hands on experience in using utilities like GIT, CVS, JIRA, BPMN tool, TOAD, Teradata SQL Assistant, SQL developer, IBM Rational – Clear Case (Release & Configuration Management).
* Good exposure to the Software Development Life Cycle (SDLC).
* Highly motivated team player with good communication skills and problem-solving abilities would be willing to work independently or as part of a team.
* Good interpersonal Skills, commitment, zeal to learn new technologies.

**PROFFESSIONAL EXPERIENCE:**

**VIRTUSA**

Duration : From February 2020 to till date

Location : Singapore

Designation : Senior Consultant

Job Type: Permanent Full Time

**Xchanging Malaysia Sdn. Bhd. (A DXC Technology – YTL Company)**

Duration : From August 2019 to January 2020

Location : Kuala Lumpur, Malaysia

Designation : Senior Technical Lead

Job Type: Permanent Full Time

**CORECOMPETE PVT. LTD.**

Duration : From February 2018 to August 2019

Location : Hyderabad

Designation : Senior Consultant

Job Type: Permanent Full Time

**SAS RESEARCH AND DEVELOPMENT (INDIA) PVT. LTD. (SAS INSTITUTE)**

Duration : From January 2015 to December 2017

Location : Pune

Designation : Senior Software Engineer

Job Type :  Permanent Full Time

**NTT DATA GLOBAL DELIVERY SERVICES LIMITED**

Duration : From January 2014 to January 2015

Location : Hyderabad

Designation : Senior Software Engineer

Job Type :  Permanent Full Time

**HEXAWARE TECHNOLOGIES**

Duration : From May 2011 to August 2013

Location : Chennai

Designation : Software Engineer

Job Type :  Permanent Full Time

**PROFESSIONAL AWARDS:**

**CORECOMPETE PVT. LTD.**

Have received Rising Star and Spot awards for getting the projects into a structured way from no requirements stage to sprint plan stage with clear deliverables in big data space.

**SAS RESEARCH AND DEVELOPMENT (INDIA) PVT. LTD.**

Have received valuable Contribution(VCA) twice and Spot Award once for going beyond the expected course of action across various significant achievements.

**NTT DATA GLOBAL DELIVERY SERVICES LIMITED**

Have received Best Team Member award for delivering & handling the project release smoothly without any bugs & Issues.

**PROFESSIONAL PRESENTATIONS:**

Have authored and presented a paper on designing a generic reusable framework for Measuring Data Quality (A Step-by-Step Business Oriented Methodology) at Tech Talks 2017.

Have presented a demo on Infrastructure for Risk Management solution at Tech Expo 2015.

**PROJECT EXPERIENCE**

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| **Project Name** | Enterprise Applications |
| **Role** | Senior Technical Lead |
| **Domain** | Telecommunications |
| **Tools Used** | Google Compute Engine, Google Kubernetes Engine, GCP Container Registry, Terraform, Docker, Gcloud, GCP VPC, Subnets, GCP Compute Engine, GCP BigQuery, GCP DataProc, GCP CloudStorage, Airflow. |

**Scope, Roles and Responsibilities:**

* This project involves building deployment framework using google compute engine, Kubernetes engine for telecommunication applications including internal and external as well as building data pipeline in GCP.
* Develop highly secured private Kubernetes clusters as part of internal high secured applications with rotational IP address and other features using Terraform.
* Load the data from different data sources into cloud storage and further load to BigQuery.
* Develop required dimensions and facts in GCP BigQuery which will be further consumed by reporting team.
* Analyze and migrate existing spark jobs to Google DataProc.
* Build Kubernetes cluster which comprises of master, node pools, pods and respective network policies.
* Automate the deployments using Gcloud, YAML, Cloud deployment manger wherever required.
* Build alert mechanism and custom metrics using Google Stackdriver logging and monitoring.
* Build appropriate roles, role bindings and role backed access controls(RBAC) for Kubernetes cluster based on namespaces.

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| **Project Name** | CBS(Columbia Broadcasting System) |
| **Role** | Technical Architect |
| **Domain** | Media |
| **Tools Used** | Google Compute Engine, Google Kubernetes Engine, Google VPC, Google Cloud VPN, Google Cloud Deployment Manager, Terraform, Spinnaker, Google Cloud Build, Google Cloud Source Repository, Google Bigquery(GBQ), Google Cloud Storage(GCS), Sqoop, Amazon Web Services(AWS) S3 buckets, Airflow. |

**Scope, Roles and Responsibilities:**

* This project involves building deployment framework using Kubernetes engine for five different data applications with data spanning across unstructured, semi-structured(near real time data) and structured.
* This includes building VPC networks comprising of GCP cloud and on-premise, build Kubernetes cluster which comprises of master, node pools, pods and respective network policies.
* Develop private Kubernetes clusters as part of internal high secured applications.
* Develop CI/CD pipelines using Google Cloud Build, Google Source Code Repositories, Google Cloud Storage and Gcloud scripts.
* Build alert mechanism and custom metrics using Google Stackdriver logging and monitoring.
* Build appropriate roles, role bindings and role backed access controls(RBAC) for Kubernetes cluster based on namespaces.
* Create SCD type II for the markets, stations and demographic dimensions using user defined logic(due to limitations on DML operations GBQ).
* Create requirements, design, mapping, user story acceptance criteria, automated test cases documents for all the five applications.
* Have got a chance to lead five different projects(one for each application) that involves different technical stack in parallel.
* The scope of the project involves the initial adhoc analysis of business requirement and provides inputs for business users for finalizing the roadmap of the project.

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| **Project Name** | Babylon Health |
| **Role** | Senior Consultant |
| **Domain** | Health Care |
| **Tools Used** | Google Compute Engine, Google VPC, Google Cloud VPN, Google cLoud Deployment Manager, Google Cloud Build, Google Cloud Source Repository, Google Cloud Storage(GCS), GCP Bigquery. |

**Scope, Roles and Responsibilities:**

* This project involves building integrated infrastructure framework comprising of compute engine, vpc, subnets, gateways, load balancers and other required resources for enterprise applications using GCP Cloud Build, Terraform, manifest files and templates.
* Developing CI/CD pipelines using GCP services like Cloud Buid, Deployment Manager, Source Repository.
* Develop required dimensions and facts in GCP Bigquery which will be further consumed by reporting team.
* Develop and schedule load specific Aiflow DAGs to load batch data.
* This includes building custom Sqoop operators, Hive operators in Airflow to load the batch data by integrating these operators with custom python framework to handle data load from databases to data lake in Hadoop.
* Create requirements, design, mapping, user story acceptance criteria, automated test cases documents for all the five data sources.

**SAS RESEARCH AND DEVELOPMENT (INDIA) PVT. LTD.**

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| **Project Name** | Regulatory Content for Ana Credit (ETL bridge, Validation Rules and Reporting Solution) |
| **Role** | Technical Lead |
| **Domain** | Banking, Credit Risk |
| **Tools Used** | Google Compute Engine, GCP Container Registry, Terraform, Docker, Gcloud, GCP VPC, Subnets, Google Bigquery, Google Cloud Storage, Hive 2.0, SAS Access to Hadoop, GITLAB, JIRA, SOURCE TREE, Unix(Solaris)Putty. |

* This project includes building VPC networks, Cloud VPN gateway with dynamic routes comprising of GCP cloud and on-premise, Https load balancer using Terraform.
* Build CI/CD pipelines and automate the tasks wherever required.
* Develop highly secured private Kubernetes clusters as part of internal high secured applications with rotational IP address and other features.
* Have developed docker and container framework on validation rules based on regulatory requirements that adhere to BCBS239 out-of-box reports based on data accuracy, completeness, consistency and integrity KPI’s.
* Have made framework flexible enough to process unstructured data in future.
* Have got an opportunity to design and develop the data warehouse solution (Ana Credit) on Hadoop using Hive Query Language (SAS Access to Hadoop), parallelly on GCP using Google Cloud Storage, Python.
* Have designed workarounds for update, sub queries and other restrictions on using Hive (using window functions and UDF) for ETL processing like SCD type I and Type II transactions and update operation on Data Lake models.

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| **Project Name** | Insurance Analytics Architecture 5.9(ETL bridge and Reporting Solution) |
| **Role** | Team Lead |
| **Domain** | Insurance |
| **Tools Used** | Google Compute Engine, GCP Container Registry, Terraform, Docker, Gcloud, GCP VPC, Subnets, HBASE, Hive, Python, Sqoop, Hadoop, Hive, Airflow, Zeppelin, GITLAB, JIRA, SOURCE TREE, Unix(Solaris)Putty. |

**Scope, Roles and Responsibilities:**

* This project involves building integrated infrastructure framework comprising of compute engine, vpc, subnets, gateways, load balancers and other required resources for enterprise applications using GCP Cloud Build, Terraform, manifest files and templates.
* Developing CI/CD pipelines using GCP services like Cloud Buid, Deployment Manager, Source Repository.
* Develop required dimensions and facts in GCP Bigquery which will be further consumed by reporting team.
* Responsible for Design and development of data ingestion phase of project. Involved in analyzing the system and business requirements.
* Involved in the R&D of the Hadoop and Spark Eco tools to be required for the project.
* Prepared the HLD and LLD for the Data Ingestion and Data Processing and Data Accessing modules
* Involved in designing the Technical Design Documents for the Workflow development process and Technical specifications.

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| **Project Name** | Insurance Risk Management (ETL bridge and Reporting Solution) |
| **Role** | Individual Contributor/Team Lead |
| **Domain** | Insurance (Solvency II) |
| **Tools Used** | Apache Nifi, Apache Kafka, HBASE, Hive, Python, Sqoop, Hadoop, Hive, Airflow, Zeppelin, GITLAB, JIRA, SOURCE TREE, Unix(Solaris)Putty. |

**Scope, Roles and Responsibilities:**

* Have got an opportunity to work for complete suite of end to end business solution from requirement analysis to appropriate knowledge transfer to customer.
* Responsibilities included Requirement Analysis, Design, Data Mapping, ETL/Data Model development, Peer Review, Unit Testing, Packaging and Deployment, Server Administration, and Documentation.
* Creation and development of design templates for NiFi and Kafka.
* Design Documents for the Workflow development process and Technical specifications.
* Developed the module to analyze the alerts and perform required fault tolerance mechanism
* Responsible for managing, processing and transforming data from various sources like MSSQL, flat files, XML, JSON and creating the data-lake in HDFS.
* It also involved designing & developing the ETL using Hive, Spark SQL.
* Load data using Sqoop from various sources to HDFS landing zone.
* Develop shell scripts for various jobs of Sqoop, pig and hive.
* Incremental loading of data into hive tables.
* Support issues in job failures and provide enhancements as per requirements.
* Part of POC for evaluating the technologies like Map reduce, Sqoop and Hive.
* Coordinating with stakeholders from USA and Europe.
* Responding to customer support tracks.
* Creating KRA and training plan for junior team members.
* Properly update the progress of the project, identify the issues, risks on time and report to project manager.

**NTT DATA GLOBAL DELIVERY SERVICES LIMITED**

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| **Project Name** | Claims Data Management and Reporting (Health Insurance Organization - US) |
| **Role** | Team Member |
| **Domain** | Insurance (Health Care) |
| **Tools Used** | SAS Access to Hadoop, SAS 9.2(TS2M2) (Unix SAS),SAS 9.4(Unix SAS-Grid Env.) SAS EG 4.1, Windows-SAS 9.2, SAS Access, SAS Connect, Unix(AIX), Unix(Solaris)Putty, Teradata SQL Assistant 13.1, Control M, Triole Service Desk. |

**Scope, Roles and Responsibilities:**

* This project primarily focuses on claims, members, providers and groups related Claims processing and creation of user specific Excel based reports for business analysis and tracking.
* This includes development and automation daily extraction/reading programs, creation of excel and text version of daily/weekly/monthly/quarterly reports and adhoc reports.
* Migration of SAS programs from SAS 9.2(Unix (AIX) SAS) to SAS 9.4(Unix (Solaris) SAS Grid-Env.) involving migrating data to Hadoop(HDFS) using SAS Access to Hadoop.
* As part of the performance tuning have optimized the execution time of the existing SAS programs by using multi threaded processing SAS technique, best practices and also modifying the program flow.
* As part of existing process enhancement for WINDOWS-SAS programs that use Dynamic Data Exchange utility which has WINDOWS OS dependency (not compatible to run in Unix SAS), have created window drivers programs using SAS/CONNECT that will download and execute WINDOWS-SAS (DDE code) programs from Unix server to WINDOWS-SAS work location on the fly.
* Used SAS ODS Excelxp tagset feature for creating custom styles for excel reports using reporting procedures.
* Used Implicit and Explicit pass through queries for retrieving data from Teradata database with advanced techniques like In Data Base Processing.
* Preparation of test cases, unit testing, jobs/programs automation, testing the scheduling for daily/weekly/monthly runs in benchmark using Control M scheduler.

**HEXAWARE TECHNOLOGIES**

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| **Project Name** | MIS Reporting (UK Insurance Company) |
| **Role** | Team Member |
| **Domain** | Insurance |
| **Tools Used** | SAS/Base, TOAD, SQL\*PLUS, WINSCP, PUTTY, Quality Center, IBM Rational – Clear Case (Configuration Tool), Service Center. |

**Scope, Roles and Responsibilities:**

* This project involves Commercial Line Policy & Claims processing and creation of user specific Excel based reports for MIS.
* This includes extraction data from different policy platforms based on different business rules and further data processing and calculations for reporting.
* Used PROC Export to create user specific excel reports with desired formatting.
* Preparation of test cases, unit testing, jobs/programs automation, scheduling for daily/weekly/monthly runs using Star team scheduler.
* The scope of the project involves the initial Adhoc analysis of business requirement and provides inputs for business users for finalizing the report specification and business rules.

**QUALIFICATION:**

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| Degree | Institute | Year |
| Bachelors of Technology | JNTU University | 2009 |
| Intermediate | Narayana Junior College | 2005 |
| High School(10th standard) | Johnson Grammar School | 2003 |