

Cloud Architect

Years of Experience in IT Industry: **11 years 8 months**

Current Location : Hyderabad, **India**

Education

B.Tech Computer Science and Engineering , 2006

Certifications

Microsoft Azure Architect Technologies
AWS Solution Architect Professional



Industry Expertise

- Communication and media
- Banking and Insurance
- Energy and Utilities
- Retail
- Consumer and Goods

Tools

- MS Visio
- Enterprise Architect

Analyst Skills

- Requirement Gathering, Business Analysis, Scope documentation
- Impact Assessment
- Gap Analysis
- Risk & Change Management
- Data Profiling and migration

Skills

- Architecture (Business, Data & Application)
- Agile(Scrum)
- AWS , Azure
- Quality Assurance and Governance
- SQL Server , MySQL

Summary

- Producing Impact Analysis specifying solution options, benefits and cost of each option.
- Work collaboratively to build robust relationship within business areas and technical teams, communicating with them to ensure successful delivery.
- Have demonstrable experience of working closely with defined architecture patterns and standards to create a roadmap for a platform
- Extensive experience of producing the AS-IS and TO-BE business processes to derive the Gap Analysis information and deliver functional and reporting requirements.
- Good understanding of relevant technical areas; Amazon Web services (AWS) (e.g. VPC, EC2, RDS, Lambda, AWS DMS, AWS Appflow, AWS Data lake,S3, CloudTrail/Watch etc) and Azure (e.g.,blob storage,VPNs,NSGs,Firewalls, AZURE Backup, Azure Site recovery, Azure Load Balancers,Azure Monitor etc) and Involvement in designing target cloud architectures from new “born in the cloud” to legacy applications.
- Consulting with business, application and infrastructure teams, providing technical expertise to facilitate the smooth commissioning and transfer of existing (or build of new) applications into the cloud using the latest cloud technology(Azure/AWS) .
- As part of Cloud Architecture Team design the Cloudable applications(700) following the agreed design pattern and exit the Data center.
- Transform the UK AWS platform hosting UK workloads to a global model and service that can be deployed in a scalable and supportable manner to a generic number of region.
- Design Architecture patterns and standard runbook for AWS Load Balancer, Database applications and review with concerned approval authority (Architect/CISO) Team for the Cloudable applications to adhere and follow the pattern for its migration to AWS Cloud.

Cloud Architect

Organization: Wipro Technologies

Designation: Cloud Architect

Duration: September 2010 – Present

All Engagements:

Cloud Architect@ T-Mobile (Deutsche Telekom), Hyderabad

TMNL(T-Mobile Netherland) BI, data & analytics landscape to be transformed to support reaching its strategic business goals.

- Migrate existing data processing and data stores into AWS cloud platform
- Current Architecture has too many limitations for fast delivery hence T-Mobile AWS Cloud Data platform to be build and implemented.
- Identify and compare the applicable AWS Services(AWS DMS,AWS Appflow) and third party tools(Striim,Stitch) required for streaming data and Change Data Capture(CDC) with Data sources (Oracle DB, Salesforce) to AWS Data Lake.
- Data Transformation and consumption AWS using AWS Glue and AWS Athena for the Data stored in Data Lake.
- Configuring AWS EMR with Apache hudi to load data into qualified S3 bucket.
- Based on the scoring items confirm and finalize on the AWS Service for each of the requirements.
- Design and review with the Architect approval Team for the High level design of each Data Source and AWS service integration.
- Run Discovery sessions with each source Team(OracleDB , Salesforce) for design discussion and pre-requisite configurations.
- Implement Logging and Monitoring using AWS DMS(Database Migration Service) Console, Cloud Watch and Cloud Trail

Cloud Architect@ CPS(Crown Prosecution Service), UK

Azure Public Cloud is the hosting environment for its applications(Nextthink, McAfee, Juriba) to manage and provide operational support of the solution for all End User Devices (EUD's) within its environment and to proactively monitor the end user systems.

- Running discovery sessions for each applications with multiple vendors and document the requirements.
- Design Azure High level architecture for all the applications to adhere to the design document for hosting on Azure.
- Engage with CPS Design Authority and CISO Team for HLD review and approval.
- Engaging with Security team and Azure Firewall (Fortigate) team to document the firewall policies.
- Configured required interfaces to the Fortigate Firewall(NVA) and implement the approved firewall rules for each of the applications.
- Coordinate with third party Pen Testing Team for executing the Pen Test on Azure and implementing risk mitigation post the risk report generation.
- Coordinate with third party vendor to integrate CPS Application to their SIEM tool for SOC(Protective monitoring).
- Engage with application team for hosting new applications to Azure apart from the existing workloads and re-review HLD with the approval authority.

Cloud Architect@ Upfield , UK

Hosting Services to facilitate the Azure Public Cloud based core infrastructure services to support the Upfield business requirements and provide the hosting environment for all SAP business applications.

- Design and build Azure DR(Disaster Recovery) Architecture and implementation.
- Daily connect with offshore Team ,third party stakeholders and core infrastructure Services team (PKI,PAM,MBAM,AV)on design revision and implementation progress.
- Successful completion of Azure DR Test from South region to west region completed within the agreed timeline .
- Leading offshore teams, providing training, knowledge transfer, Cloud Build activities(Azure Site Recovery,DR design & implementation) etc dealing and resolving customer issues.
- Azure DR Design and Test scenario review and discussion with customer Architect Team for approval and its implementation without disrupting the existing infrastructure.
- Provide recommendations to the customer on security, cost, performance, reliability, and operational efficiency for the applications hosted and discuss in detail for its implementation road-map.

Cloud Architect@ Aviva Insurance , UK

Aviva Cloud Programme is the biggest investment programme of any financial institution using the latest technology and work alongside leading suppliers to deliver a global automated, reliable and scalable AWS cloud platform.

- Part of Cloud Architecture Team of 10 Cloud Architects to design the Cloudable applications(700) following the agreed design pattern and exit the Data center.
- Worked with project manager to produce a plan based on Agile Scrum
- Architecting high level and low level design, implementation & migration of Aviva Application to AWS Cloud.
- Engaged customer architecture design team and secured approvals on the design.
- Assess the time and effort required to deliver the required gap functionality against each application.
- Running discovery sessions for each applications and Documented the gap between the requirements.
- Technical delivery and design of the underlying global cloud platform and application projects.
- Designing and Implementing Dev-ops model of infrastructure deployment using Terraform in compliance with Aviva's strategy.
- Daily engagement with team to help migrate on-premise applications and DB using Jenkins, packer, puppet and Terraform.
- Design and integrate Lambda with Cloud watch logs & Kinesis stream-Firehose to ingest VPC flow logs to Central Log Lake S3 buckets.
- To enable a platform management functionality which allows to build application migrations within market region(Singapore,Canada,France) in earliest possible time frame.
- Design Architecture patterns and standard runbook for AWS Load Balancer, Database applications and review with concerned approval authority (Architect/CISO) Team for the Cloudable applications to adhere and follow the pattern for its migration/build to AWS Cloud.
- Engaging on a weekly basis with Peers and customer for preparing a Cloud Operating model for all the hosted applications within Cloud.
- Evaluate and deliver cloud architecture designs against best practices and design patterns.

Cloud Analyst @ PMI(Philips Morris International), Bangalore

(PMI) is an American multinational cigarette and tobacco manufacturing company which as part of their Cloud Journey aims to migrate all its infrastructure to AWS Cloud.

- Ran workshops to capture the functional and data requirements and identify the technical gaps within the architecture.
- Hands-on exposure on AWS and SQL Server Database Migration project and was extensively involved in Design, Development and Delivery.
- Collaborated with the business users, technical teams and SME's to ensure end to end understanding.
- Ran weekly meetings with business to agree on functionality to be delivered for each sprint and report on progress.

Cloud Analyst @Philips, Netherlands

Designed and implemented AWS web Services Solution to develop HTML based browser upload in AWS S3. Automated file validation of the customer purchase receipt upload onto the AWS S3 using AWS Web services.

Technical Lead @(Cloud Operation Center- Nestle,Shell,Campbell,Coca-Cola,Omnicom,Thames water,Carlsberg,Vodafone,Aviva CMU, McGraw-Hill),Bangalore

- Build, Monitor and Provide Support for the servers in the CLOUD(AWS, Azure, Sungard). I was Part of Cloud SME Team to guide and assist a team of 20 Team members to execute operational and day to day deliveries to the customer.
- We were the first team to build Cloud competency from scratch for a Cloud Operations team (single stop operations team) within Wipro.
- Weekly updates for each of the Accounts and Provide recommendations on security, cost, performance, reliability, and operational efficiency for the applications hosted and discuss in detail for its implementation road-map.

Cloud Architect

Technical Lead@T-Systems ,Bangalore

- Perform database software installations including database creation and configuration.
- Enrolling users and maintaining system security, controlling and monitoring user access to the database.
- Install and configure SQL Server DB new releases, upgrades, and patches.
- Implementing Auditing to keep track of the activities at the database and instance level.
- Analyze past trends and make suggestions to meet future requirements with respect to capacity and performance.
- Regular DB tasks like REORG, RUNSTATS, BACKUP etc.
- Backup/Recovery of databases (file system backups). Redirect Restore to move application from Development to Production.
- Allocating system storage and planning future storage requirements for the database system.
- Responsible for SQL Performance Tuning and make recommendations to application developers for performance issues..

Organization: IEG (Institute for Electronic Governance),Hyderabad

Designation: Microsoft Associate

Duration: June 2008 – Jan 2010

- Creation of databases, tables and indexes as per requirement.
- Granting and revoking authority on SQL Server objects as per requirements.
- Planning and Implementing the Database Design.and suggesting creation of new indexes and alteration of existing indexes to suit the needs.
- Applying fix packs and Upgrading SQL Server DB.
- Enrolling users and maintaining system security, controlling and monitoring user access to the database.
- Allocating system storage and planning future storage requirements for the database system.
- Backing up and restoring the database, bringing database to online mode.
- SQL Server DB house keeping tasks like REORGCHK, REORG, and RUNSTATS.
- Monitoring and tuning the performance of the database.