Santosh Devara

Cloud Architect

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🌐 https://zety.com/profile/santosh-devara 📍 Bangalore

| 16 | Years of Experience |
| 10+ | Years as an Architect |

SUMMARY

Cloud Certified Azure & AWS Architect, with **15+ years** rich experience and a proven track record of success, in leading teams over distributed locations driving transformation, health-check engagements, service improvement and stability programs for high profile clients across the globe.

CORE COMPETENCIES

- ☐ Strategy across business, application, data and technology components.
- ☐ MACH, Digital Twin, Greenfield Architecture
- ☐ Design digital infrastructure and services
- ☐ DevOps and Continuous Integration – Infrastructure and Application
- ☐ Agile, TDD, BDD Methodologies based development
- ☐ Infrastructure and Application Security
- ☐ Team Building and Training

CERTIFICATIONS & EDUCATION

Azure Architect 301 Certified	The Microsoft,	📅 2022
Azure AVD 140 Certified professional	The Microsoft,	📅 2022
RHCE Certified RedHat- 6	RedHat,	📅 2015
AWS Practitioner Certified.	Amazon,	📅 2020
B. Tech, Computer Engineering	Nagarjuna University,	📅 2003-2007

INDUSTRY EXPERIENCE

Mobile & Digital Marketing

Healthcare & Insurance

Automobile

E-Commerce Platforms

TECHNOLOGY SKILLS

Category	Skill Set	Years of Exp
Cloud Providers	Azure, AWS and Google Cloud	12
Linux	OS management, Server setup, user management and server configurations	15
Cloud Networking	Azure Vnet, Subnets, Vnet Peering, S2S Vpn, P2S VPN, OpenID, Fortifiet VPN, Private End point. AWS VPC, Transit Gateway, NAT Gateway	12
Cloud Security	Azure Security Centre, AWS Guard Duty, NACL, Security Groups, IAM policies, Vulnerabilities. IPS and IDS detectives, DDOS, WAF.	8
Cloud Storage	Azure Storage, AWS S3, Glacier, EBS, Azure Synapse and AWS Redshift Warehouse.	6
Cloud Analytics	Azure Data Factory, ADLS Gen2, Synapse, Databricks, Power BI and Tableau. AWS Data Sync, Kinesis, S3, Snowflake, ETL Glue, Lambda, Qlik Report	5
Cloud Migrations	Azure Migrate Service, SMART Tool, Azure Data migration, Recovery Site. AWS Migrate HUB, AWS Data Migration Service, AWS application migration.	8
Load Balancer	Azure Traffic Manager, App Gateway, Front Door, Internal Load Balancer. AWS Route 53, AWS ELB, App LB, Cloud Front	11
Containerization	Azure Kubernetes Azure Container registry Aws EKS, EKS Fargate, ECS, Docker and Docker Hub	4
Devops Tools	Azure Devops Service, AWS code deploys, Jenkins, Gitlabs, Bitbucket pipelines.	9
Scripting	Shell, PowerShell, YAML and Python	5
Visualization	Power BI, Tableau, DAtaIKu and Qlick.	5

PROFESSIONAL EXPERIENCE

Cloud Architect/Manager
Accenture Technologies Pvt Ltd, India 📅 Sept 2021 – April 2023 📍 Bangalore, India

Responsible for solution design of various customers across the UK, Europe & South Africa as part of Advanced Engineering Services.
- Primarily responsible for presales, RFQ, RFP Response activities from cloud platform and architecture front.
- Support GCP, Azure, Liferay verticals for solution design for ongoing engagements and provide performance improvement aspects.
- Responsible for Design cloud Infrastructure Architecture and responsible for end-to-end Implementation with IAAC.
- Prepare various documents like HLD, LLD and BRD documents.
- Prepare Road maps for Cloud Migrations from on prem to Azure Cloud and AWS cloud.
- Design, Setup and Configure ETL solution in AWS by using Databricks, S3 and PowerBI services.
- Managing cloud projects and delivered successfully.

Principal Consultant (Solution/ Infrastructure Architect)
Larsen & Turbo (L&T) Pvt Ltd, India 📅 Feb 2020 - Sept 2021 📍 Bangalore, India

Responsible for solution design, development of various financial sector customers across the globe as part of Technology consulting.
- EA assessment and Enterprise IT Resiliency of the various organizations across financial services across the globe.
- Outlining overall strategy, design, and solution for digital transformation of the insurance core components such as PAS, CRM, DW etc.
- Designed MACH (Microservices, API First, Cloud First, Headless) architecture for few clients based out of Middle East.
- Design and implementation of Kubernetes Infrastructure to onboard various Microservices with HA in GCP/Azure cloud
- Automated provisioning of AWS and its subcomponents like storage, NSG, Access policies using Terraform, powershell

Technical Lead(T7) (Cloud Architect)
Mercedes Benz R&D India Pvt Ltd 📅 Aug 2018 - Feb 2020 📍 Bangalore, India

Responsible for Pre-sales, Software and solution design, development of various cloud environments in Daimler.
- Technical solution discussion and worked in COE Germany Team and involved in all architecture discussions and decision making.
- Designed and implemented digital infrastructure built on distributed private hybrid cloud platform.
- Manage the overall application & infrastructure security assessment and resolution of the same.
- Provide Liferay custom out-of-box solution as per requirement and integration with Azure ML services and SharePoint platforms.
- Proven experience architecting, developing, and testing scalable solutions using PowerShell, Pester test cases across all Cloud Environments.

Cloud Architect
Conduent (Formerly Xerox) technologies India Pvt Ltd. 📅 Aug 2014 - Aug 2018 📍 Bangalore, India

Worked with Business to gather and document requirements for two major PAN India projects ESIC and IRCTC.
- Involved technical discussion with end clients like Qatar Gov Healthcare Dept, Vizag Port, and vendors like Microsoft, Oracle, Redhat.
- Develop common framework solutions/assets in Azure Cloud, monitoring and management solutions for different technologies/platforms by using Nagios, Grafana and Azure Log insights.
- Cost evaluation of infrastructure transformation considering existing core system resiliency.
- Develops the information security strategy and approach for initiatives including but not limited to PKI, SSO, 2FA.
- Involved in Implementing of Agile process of development and CI/CD using Jira, Jenkins, GitHub, and GIT from scratch.
- Enabled Continuous Delivery through Deployment into several environments of Test, QA, and Production using Azure Devops Service.

Cloud Administrator
Here (Formerly NOKIA) India Pvt Ltd. 📅 Nov 2011 - Aug 2014 📍 Bangalore, India

Responsible for design, development of various Liferay customers across Bangalore, Chennai location like TAFE.
- Lead the consultant's team for development and co-ordination with support team for any product issues.
- Provide Liferay custom out-of-box solution as per customer's requirement.
- Selection of solution along with Liferay Architects.
- Provided end to end Ec2 instances, S3 and RDS setup and provided l2/l3 Support.
- Managed multiple AWS accounts and services and troubleshooting various issues in cloud and resolutions.

Linux System Administrator
Inmobi Technologies India Pvt. Ltd. 📅 May 2008 - Nov 2011 📍 Bangalore, India

Worked with internal executives, business directors for enhancement of existing IT solutions and strengthen the existing Java IT team.
- Preparation and planning of new projects.
- Co-ordinate with IT engineers for server setup configuration and DevOps.
- Worked on setup webapp servers in Linux servers and provided l2 support.
- Created shell scripts and schedule in cron jobs for automation.
- Configured Puppet master server in the environment and managed 100 of VMS configurations remotely.

PROJECTS

Project 1: QUALCOMM, US
Description:

Qualcomm is a leading Mobile Processors provides in mobile platforms. Our products and services are targeted at Mobiles Hardware and Services. This engagement entitled to transform the existing technology stack of their major platform assets i.e., On Prem Data services and Development Environment setup in Cloud.

Responsibilities:
- Cloud Infrastructure Architect.
- Technology decision making considering AWS Cloud native and headless architecture.
- Stakeholder management with Qualcomm Product Owner.
- Outlined and provided framework for cloud migration and computing TCO.
- Designed AWS security architecture considering financial data integration aspects.

Environment: .Net Core 3, SQL Server, AWS, S3, Redshift Ware House, VPC, Ec2 instances, EBS, EFS Cloud Storage, IBM Mainframe

Project 2: MCAFEE, US
Description:

The Mcafee is a prominent Anti-Virus and the leading security enhancement in both mobile and OS security company in the US. This engagement supports the Mcafee Blog site setup in AWS EKS and Monitoring end to end to their services in AWS.

Responsibilities:
- Cloud Architect, overall end to end Infrastructure Platform Design and Support.
- Designed Enterprise Resiliency AWS Container Framework in AWS.
- Designed and provided different architecture documents for each component of the EA model and Solution Architecture.
- Documented and strategize AWS model considering all current Tier-1, 2 applications technical debt and computing TCO.
- Stakeholder management with all business, technical team, and C-Suite holders.
- Monitoring setup by using Prometheus and Grafana tools for end-to-end monitoring also, Application performance monitoring done by App Dynamics tools.

Environment: AWS, VPC, Subnets, Transit Gateways, Bastion, RDS, Service endpoints, CloudWatch, Cloud trial, Prometheus, AWS EKS Fargate, App Dynamics, Git, Jenkins and WordPress Application.

Project 3: Rolls Royce (London)
Description:

Rolls Royce is a British Multi National Aerospace and Luxury Cars Productions Company. This project brings out an ETL solution for their Data for Sales and Marketing Teams.

Responsibilities:
- Cloud Architect
- Designing of Architecture and documentation of the engagement.
- Provide solutions and delicate activities from client location.
- Designed, Deployment and integration of their Network, Setup Express Route from Data Centre to Azure Cloud through MPLS Network. Ingest the Data into Azure Cloud by using Azure Data Factory and using Databricks Service to transform the data and using Azure Synapse to store the Data. Also Implemented the Azure ML service to analyse the future data. Using Power BI to visualize the data by creating Trending Business reports and Predictive analytics reports. Resolution of client concerns with solution POC before recommendation.
- Support for private cloud deployment of the applications.

Environment: Azure, Data factory, Azure Devops, Azure WebApp Services, Azure Key vault, Azure Synapse, ADLS Gen2, Azure Security Centre, AZURE AD, RHEL, PowerApps, Power BI, Dynamics CRM tools, Databricks, Azure Service Principles.

Project 4: Daimler Trucks, MBRDI Cars.
Description:

Daimler – is a multi-National leading Company in Automobile Industry Germany Based Company. This project was to handle whole their centralized Data Management with complete Analytics services are managed by MBRDI. This Completely Hybrid Cloud Environment using multiple service providers both from Azure and AWS cloud services.

Responsibilities:
- Cloud Infrastructure Architect
- Infrastructure Architecture technical discussion with COE team like Network, Data Governance and IAAC implementation with Terraform.
- Various products validation with technical team from vendors like Microsoft and Amazon.
- As Technical Solution Architect mainly involved in decision making of technology.
- Coordinated the selection and the implementation of suitable technologies and infrastructure for the new applications including Identity Management and SAML Integration Single Sign-On.
- Prepare various documents starting from SDD, TDD till HLD, LLD.
- Worked with System Engineers Team for Middle ware Server Configuration.

Environment: Hybrid cloud Environment, both Azure, AWS Cloud, Azure Vnet, S2S, AWS VPC NAT Gateway, Terraform Templates, Azure Devops Service, AWS S3, RDS, Azure Traffic manager, Ec2 Instances.

Project 5: Spectra, (Travel)
Description:

This project is mainly illustrating the Parking Data scanning data which is used IOT devices and the data will ingest by using AWS kinesis Data Stream to store in S3 and then Transform the data by using AWS Snowflake service.

Responsibilities:
- Cloud Architect
- Coordinated with Enterprise Architect and Data Architect to finalised the Data flow and Data Tools.
- As an Infrastructure Architect I had responsible for Three tier architecture setup and implemented.
- Support L4 Support post weekly deployments done by application deployment team.
- UAT and Production deployment provisioned by using CFT (Cloud formation) template.
- Followed Agile methodologies with daily infra tasks status and share it to Clients on regular basis.
- Worked closely with architect's team for phase-2 development and during transition phase of the engagement.
- Created documents like HLD, LLD during the phase-2 development with guidance from technical lead.
- Implemented Security Enhancement and Data governance by using custom IAM policies and Defined roles.

Environment: AWS cloud, Kinesis Data stream, CloudWatch, AWS Athena, AWS Code Deploy, AWS Cloud Formation, S3, AWS IAM roles.

Personal Details:

Name: Santosh Devara

Date of Birth: 23 -December -1984

Sex: Male

Nationality: India

Passport details: S4343109