

AVADESH KAUSHAL

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Certified Cloud Infrastructure Architect – *leveraging +17 years of experience*

Highly skilled Infrastructure technical architect with well over decade of experience in cloud architecture and Implementation. Experienced in architecting high quality solutions tailored towards an enterprise goal. Hands-on experience with Microsoft Azure, designing the overall cloud environments including Landing Zones, Networks, Security, Storage and Compute.

Core Competencies

- *Global Cloud Infrastructure design*
- *Next Gen. Datacenter Design and Operations*
- *IaaS/PaaS/SaaS Design*
- *Software defined Data Center*
- *Cloud fabric Infrastructure Design*
- *Global Infrastructure Risk Assessments*
- *Cloud Orchestration & Automation.*
- *Business Continuity/ Disaster Recovery Planning*

Core Skill Sets

- Technical leadership including cloud architecture, system design system integrations and application mapping.
- Developing high level and detailed design documents addressing the business, infrastructure, security, support and operational needs to business.
- Experience in application rationalization and designing right-sized infrastructure to meet capacity design.
- Experience in cloud deployments and migration leveraging tools like Azure Site recovery, Azure VMware solutions.
- Experience in building Network architecture like express route, application gateways, WAF, Route server, Azure firewall, third party NVA's
- Experience in building Data platform solutions like Azure SQL, Data factory, Azure synapse, Integration runtimes etc.
- Experience in Azure governance using Landing zones, Azure Policies, Conditional Access, RBAC and tags.
- Experience in security solutions using security center, Azure sentinel.
- Experience Infrastructure as Code using Terraform, Azure Arm templates and Azure Biceps.
- Experience in building CI/CD pipelines using azure DevOps.
- Experience in Storage solutions including files shares, hot and cold tiers. Archiving solutions on azure blob leveraging third party solutions like NetApp and Cohesity.
- Experience in Remote desktops solutions using windows virtual desktop and VMware horizon.

Professional Experience

Technical Architect
Provincial Health Authority Services – Vancouver, BC

Sep 2019 to Current

- Lead architect for emerging technology group at provincial health authority services, responsible for cloud adoption and transformation of services across the province, focusing primarily on Microsoft Azure platform related technologies.
- Designed and implemented cloud infrastructure platform and services including landing zones (Management groups/Subscriptions etc.), network and security (Virtual Networks/Private Links/Express Route/NVA's etc.), auditing and governance (Conditional Access/Policies/RBAC/Sentinel etc.) in a hybrid environment, consisting of 6 forest and 24 domains in collaboration with multiple teams and vendors.
- Lead architect to help design, deploy and configure Azure VMware Services in collaboration with vendors (VMware/MS), and internal teams to migrate legacy on-premise applications to Azure reducing on-premise datacenter foot print.
- Led the design, architecture and deployment of Health data platform for multiple health authorities, and ministry of health in a highly secured environment on Microsoft Azure leveraging multiple services like Azure data factory, Data Lake, synapse, azure Sql etc...
- Led the design and implementation of various projects for on-boarding multiple applications (Cloud native/Hybrid) on Azure to support health authority during Covid-19 pandemic including live reporting and analysis of data in secured and seamless fashion.
- Providing Azure technical expertise including strategic design and architectural mentorship, assessments, POCs, etc., in support of overall cloud adoption lifecycle of Health authority services.

Sr. Solution Architect
Capgemini Solutions Inc. – Toronto, Ontario

Jan 2016 to Sep 2019

- Worked as Cloud solution architect responsible for transitioning the clients business requirement into specific systems, application or process design for large complex technical solution's with Capgemini's Infrastructure management services, and cloud center of excellence team with key focus on Microsoft Azure and AWS.
- Work with team of DevOps/SecOps engineers in an onshore/offshore model to architect Cloud (Azure/AWS) solutions with the responsibility to ensure customer maintains an overall cohesive integrations with partner systems, and solutions.
- Created design and assessments that includes cloud deployment types (Private/Public/Hybrid), cloud tier (Azure/AWS), cloud services, application dependencies, scalability and disaster resilience requirements.
- Worked on RFP's and RFI's from various clients while collaborating with different silos internally to offer winning solutions.
- Engaging clients and partners to understand their business requirements, and collaborating with stakeholders within internal and external groups and create mutually agreeable and advantageous solutions for clients.
- Provided trainings and workshops on Microsoft Azure/AWS based technologies, architectural practices and helped build subject matter experts leading to effective resource allocations to existing and upcoming projects.

Technical Lead
Larsen & Toubro Infotech Ltd, Vienna, Austria

Aug 2013 to Dec 2015

- Lead technical initiatives to build Cloud infrastructure on Azure including network, data and compute.
- Configuration and deployment of highly available infrastructure on Azure for 2/3 tier enterprise application leveraging azure native and third party tools.
- Configuration of end to end security for application on Azure/Hybrid environment including hardening of workloads, applying NSG and configuration of Virtual appliances for secured traffic management.

- Configuration and deployment of Backup and Disaster Recovery using Azure Backup and Azure Site Recovery (ASR).

IT Analyst
TCS. – Kolkata, India

Apr 2012 to Aug 2013

- Lead Subject matter expert for Microsoft Private Cloud with key focus on System Center Operations/Configuration Manager (SCOM & SCCM) as a part of Enterprise Tools Center of excellence team for multiple delivery functions.

Engineer
Royal Bank of Scotland. – Gurgaon, India

Jan 2010 to Nov 2011

- Providing in-house remote support for End User/Server Support located across EMEA region.

It Security Analyst
HSBC. – Hyderabad, India

Jul 2007 to Mar 2009

- Analyst for Identity and access management function for HSBC Global Technologies across EMEA and APAC region.

Technical Support Analyst
IBM. – Hyderabad, India

Jan 2006 to Mar 2009

- Providing technical support for a leading retail chain across North America on various applications.

Education and Certifications

- Bachelor of engineering
- Microsoft Certified Solution Expert
- Microsoft Specialist – Architecting and implementing Azure Solutions.
- AWS Certified Architect – Professional and associate
- ITIL v3 Foundation.