

# SYED ALTAF

## CERTIFIED MULTI -CLOUD SOLUTION ARCHITECT AZURE/AWS/GCP/DEVOPS

### Personal Info

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### Certifications

- AWS Solution Architect (Associate Level)
- AWS SysOps Certified (Associate Level)
- AZURE Certified Solution Architect (Expert Level)
- GCP Certified Solution Architect
- IBM AIX pSeries 7.1 Certified Professional
- Red hat Certified System Administrator - 283/300, Version 6
- Red hat Certified Engineer - 300/300, Version 6
- CCNA Certified Professional
- MCSE Certified Engineer
- ITIL V3 Foundation Certified Professional

### Technical Summary

- Extensive experience of 11 years in architecting large scale multiple cloud migration projects
- Extensive experience in architecting enterprise public cloud solutions (AZURE, AWS and GCP)
- Experience of stakeholder management within complex organizations
- Extensive experience in conducting Cloud Readiness Assessments observing business and technical perspectives
- Experience in conducting cloud service maps, security considerations as part of a wider Cloud Adoption Framework
- Excellent knowledge of cloud computing technologies and current computing trends
- Proven experience assessing client's workloads and technology landscape for Cloud suitability, develop business case and Cloud adoption roadmap and developing, deploying & debugging cloud applications; ability to use continuous integration and distribution pipelines to deploy applications; ability to code to implement essential security measures

### CLOUD SOLUTION ARCHITECT KNOWLEDGE

- Responsible for the Road-Mapping of the Enterprise Services and help in the big picture assessment of the impact on FSA (Future state Architecture).
- Partner with EPMO, Business and IT Owners, on driving architecture design discussions with internal stakeholders (ITIS, Vertical & other BUs), including design blueprint, technology recommendations for HCSC
- Leadership and Team Management of close to 15+ resources including developers, QA team, application architects, solution architects etc
- Drive & participate in design discussions with technology/service vendors (where applicable), including capability, architecture design & pricing
- Led the team to define and propose web development framework using MEAN stack
- Define and provide oversight for working groups (metrics, versioning, etc.) that are mobilized as part of the SOA CoE
- Support business strategy as a trusted partner enabling specific investment decisions by providing SOA specific insight and advice
- Develop and update SOA specific artifacts such as architecture guidelines/standards, leading practices, reference architectures, etc.
- Ensure that Service SLAs are properly defined and agreed upon between the Service provider and the consumer
- Provide input in determining overall cost for hosting applications in the AWS infra and the pricing of hosting different services for different customers by estimating growth patterns, storage and bandwidth costs, SLAs, backup, and disaster recovery.
- Assisting Microsoft Technical and Sales professionals in replacing customer San equipment and connecting to Microsoft Azure Cloud.
- Assisted customers with Access Control Records for cloud verification to Azure portal.
- Support customer who have Azure Active directories with their current active directory.
- Integrate Office 365 with exiting Azure subscription.
- Completed Architecting Microsoft Azure Solution, building a Cloud supporting server2016, server2012 and Red Hat Linux, assisting corporations moving their data from local storage to regulated Azure Cloud.
- Experienced in Provisioning of IAAS & PAAS Virtual Machines and Web\Worker roles on Microsoft Azure Classic and Azure Resource Manager
- Design highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balance and AMIs.
- Utilize EBS to store persistent data and mitigate failure by using snapshots.
- Design AWS CloudFormation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
- Design roles and groups for users and resources using AWS Identity Access Management (IAM).
- Provide highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup.
- Utilize Amazon Glacier for archiving data.
- Manage network security using Security Groups, and IAM.
- Use Amazon RDS to manage, create snapshots, and automate backup of database.
- DynamoDB to perform basic database administration.
- Good understanding of ELB, general networking principles, firewalls, routing technologies and DNS (Route 53).
- Utilize CloudWatch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, DynamoDB tables, EBS volumes; to set alarms for notification or automated actions and to monitor logs for a better understanding and operation of the system
- Focus on continuous integration and continuous deployment and promote enterprise solution deployment assets to target environments.
- Document system configurations, Instance, OS, and AMI build practices, backup procedures, troubleshooting guides, and keep infrastructure and architecture drawings current with changes.
- Worked with development team to setup development environments in Azure and Amazon Web Services

- Excellence in managing large Cloud Projects right from requirements through design, implementation & deployment
- Excellent analytical, organizational, planning skills with demonstrated abilities in training & mentoring teams towards achieving organizational goals

## Technical Skills

- Infrastructure/Virtualization Environments VMware ESXi, Oracle Virtual Box, KVM, Asset Management, Ansible, Web-logic
- Project Management/ Monitoring Tools/DevOps tools Jenkins, Ant, Nagios, Crontab, JIRA, Datadog, MS Project, Chef, Puppet, Terraform, Salt stack, Gitlab, Mule, Vagrant, Docker, Vmware Air-watch, VMware ESXi IBM/Leno, Maven, Nagios.
- Security / Analysis Tools Wireshark, TCP Wrappers, TCP dump, openssh, nmap, dig, traceroute, netstat
- Protocols/Services LDAP, DNS, BIND, HTTP, HTTPS, POP3, NFS, TLS/SSL, DHCP
- Cloud Technologies AWS (EC2, ELB, EKS, S3, Elastic Beanstalk, RDS, Auto scaling, CloudWatch, VPC, Route 53, Cloudfront, NATGW)
- Azure (Ase,Ise,Vnet,Vm,Azure Storage,Aks(K8s)Docker,Webapp,Function App, Express Route, Adls, Ahd, Datalake, Databricks, Devops,Sql Managed Instance, Qnamaker,Chatbot,Appgateway,Traffic Manager,Elb/Ilb
- GCP (CE, GKE, CF, Datastore, filestore, CCDN,Ci,CLB,CVPN,TD,CBuild,BigQuiry and many more
- Logz.io, Rack-space, Vcenter, Vcloud, Vsphere
- Operating Systems Ubuntu, Red Hat Linux 3.x, 4.x, 5.x, 6.x, Windows 8/7/Vista/XP/server2010,2012,2016, Aurora, SRM vSphere 4.x and 5.x, 6x, Android, Sun Solaris 11, 10, 9.
- Networking Cisco IOS, Routers, Switches, LAN/WAN, Firewalls, VPN
- Visual Analytics Tableau, Google Analytics, Bar/Pie Charts in Excel Sheets
- Languages Shell, Python, Java, Alfresco, XML, HTML, .Net, Java Script, C, C++, Ruby, Perl scripting, Shell scripting.
- Methodologies Waterfall, Agile, Kanban

- Partner with platform data and app teams to make sure architecture and infrastructure meet business requirements. Utilize Git and github for version control.
- Worked as a subject matter expert with Cloud Services including migrating and setting up workloads in Microsoft Azure, Amazon Web Services and Office 365.
- Stay current with the latest features/capabilities of the AWS platform.
- Create training modules designed to assist and train on boarding new employees.
- Excellent problem-solving skills, including the ability to foresee problems before they occur

## DEVOPS KNOWLEDGE

- As part of DevOps, my role includes release management/version management/CI/Environment management.
- In-depth understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, SCRUM, Waterfall methodologies.
- Experience in working on version control systems like Subversion, and GIT and used Source code management client tools like Visual SVN, Tortoise SVN, Bitbucket, Puppet, UberSVN, Stash, Source Tree, Git Bash, GitHub, Git GUI and other command line applications etc.
- Knowledge on configuration management using Ansible, Terraform, Saltstack Puppet, CHEF.
- Extensively worked on Hudson, Jenkins and Anthill Pro for continuous integration (CI) and Bamboo for End-to-End automation for all build and deployments.
- Ability in execution of XML, Ant Scripts, Ruby, Shell Scripts, Perl Scripts, Power Shell scripts and JAVA Scripts.
- Experience in Deploying JBoss, Apache Tomcat web server, IIS Server, Oracle web logic, and IBM WebSphere.
- Excellent understanding of SDLC Methodologies like Agile, Waterfall, RAD and other processes.
- Extensive experience with Continuous Integration Tools (Jenkins, Hudson, Bamboo)
- Knowledge of using Routed Protocols: FTP, TCP, UDP, ICMP, SFTP, SSH, HTTP, HTTPS and Connect direct.
- Exposed to all aspects of software development life cycle (SDLC) such as analysis, planning, developing, testing, implementing and post-production analysis of the projects.
- Experience of working with the release and deployment in Java/J2EE, Android, iOS, C, C++ and ASP.net Web applications environment.
- Experience of working with the release and deployment of large-scale C++, Java/J2EE Web applications using SVN repository.
- Complete ownership of Build of entire product. Ability debug, fix build issues across numerous Unix and Windows platform.
- Expertise in Datacenter Consolidation and pre-consolidation tasks.
- Performed Installs, Kernel Upgrades, Patches, Configuration, Performance tuning on UNIX and system software & hardware.
- Experienced in Configuring and Monitoring using NAGIOS, NAGVIS, NDOUTLS, ZENOSS, ZABIX and MRTG.
- Hands on experience installing, configuring and deploying Opens stack solutions.
- Linux-based Virtualization implementations such as VM Ware and Xen on Red Hat.
- Expertise in Installation, Configuration, Implementation, Up gradation, Maintenance & Troubleshooting of application servers and good experience in clustering.
- Creating and maintaining user accounts, profiles, security, rights, disk space and monitoring.
- Server Consolidation and Migration of Applications on Oracle and Java Applications.
- Planning, documenting and supporting high availability, data replication, business persistence, fail- over, fail-back using HACMP, Red Hat Cluster Server in SAN environment.

## Experience

- FRANKLIN TEMPLETON INVESTMENT PVT LTD  
Cloud Solution Architect / Engineer 2018-Till
- LEVADATA PVT LTD  
Lead Cloud Solution Architect 2016-18
- WIPRO PVT LTD  
Sr Cloud System Engineer 2013-16
- IBM INDIA PVT LTD  
System Administrator 2010-13

## PRESALES KNOWLEDGE

- Self-starter with excellent Presentation skills and consultative skills
- Strong communication skills, both written and verbal – Business writing skills
- Met with channels/customers to understand their current technical environment, key business issues/drivers, and future technology requirements.
- Worked closely with customers on the technical requirements to provide technical solutions – Identified requirements, including technical details sufficient for product definition.
- Developed and established strong relationships with strategic clients and industry partners.
- Provided product updates and technical advice to clients – Explained technical capabilities and business benefits of solutions to the customer from engineering level to senior executives.
- Presented the company products to clients – Showcased drivers and value that supported the business case for the total cost of ownership to the customer.
- Worked with the sales team to develop selling strategy within the target accounts – Created and delivered effective presentations and sales tools for the sales team.
- Work with regional sales managers to provide pre/post-sales support – Worked with the sales team to design, propose, and close new deals/opportunities with customers

## EXPERIENCE SUMMARY

### Azure Experience:

- Working on designing and implementing cloud-based solutions, including private, community and public cloud deployment models for a variety of mid-size internal projects
- Design de data model and creation the schema on SQL Azure
- Experience with Big Data on Azure - Data lake store, Data Factory
- Experience working on Service fabric and Azure container service. Designed and deployed architecture for Azure Service fabric.
- Migrating an On-premises virtual machine to Azure Resource Manager Subscription with Azure Site Recovery.
- Solutions Consultant responsible to be primary SME on Azure services including DRaas, SaaS, PaaS and IaaS while contributing architecture decisions and tasks for ongoing migration efforts

## Education

MCA (Master's in Computer Application) from Periyar University Chennai





- Responsible to develop services using .NET/C# code and Web API technology (Restful API)
- Managing the Windows/Linux Azure infrastructure for our customers depends on their requirement
- Experience on Permission Management OS - SELinux, Windows File ACLs
- Building and Installing servers through Azure Resource Manager Templates or Azure Portal
- Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Portal
- Security Patching on the Azure IAAS VMs through the Shavlik Patching Tool
- Development web service using Windows Communication Foundation and .Net to receive and process XML files and deploy on Cloud Service on Microsoft Azure
- Hands on experience on Site to site VPNs, Virtual Networks, Network Security Groups, Load balancers, DNS and Storage Accounts
- Knowledge in Azure Cloud Services (PaaS & IaaS), Azure Storage, Azure Active Directory, application insights, and logic apps. Deployment to Microsoft Azure.
- Worked on ADFS and SSO - Active Directory Federation Services for On-premise and Azure Cloud Active Directory
- Experience in CI / CD using Jenkins and azure DeveOps for application process and in production support.
- Experience on Azure Site Recovery (ASR), Operations Management Suite, Power shell Scripts and ARM templates
- Actively worked on deploying VM's, Virtual Networks, Gateways and Next Gen Firewalls.
- Collaborate to development of main Web Application to provides invoicing emission services
- Working experience with TFS/VSTS, Jenkins, Git, Jira, Ansible, Docker, ELK, Nexus, Sonar Qube, Ansible and Terraform.
- Web Services experience with Apache, Nginx, and RESTful APIs
- Working experience with azure AKS (Kubernetes Service )
- Automated the Docker images creation using Docker files and deployed the Docker containerized applications in Kubernetes Clusters hosted both on-premises, Vmware's Vsphere and in cloud (AKS-Azure Kubernetes Services, ACR- Azure Container Registry)
- Experience working in Rancher(Wrangler) Platform (the leading enterprise solution for deploying and managing Kubernetes clusters). Utilized Kubernetes to provide a platform for automating deployments, scaling and operation of application containers across a cluster of hosts
- Experience in provisioning Log Monitoring using tools such as (Graylog/ Kafka / Zookeeper/ MongoDB / Streamsets) - for Kubernetes Cluster/s. knowledge of DNS management (A Records, CNAME records, etc.)
- Collaborating with other DevOps engineers to maintain and manage strategies for optimizing all aspects of the continuous integration, release and deployment process using container and virtualization techniques such as Docker and Kubernetes
- All type of Client Incidents / Issues are managed through JIRA and ServiceNow Support Tool.

### AWS Cloud Experience

- Design, implement, maintain and migrate all AWS infrastructure and services within a managed service environment
- Design, Deploy and maintain enterprise class security, network and systems management applications within an AWS environment
- Support the business development lifecycle (Business Development, Capture, Solution Architect, Pricing and Proposal Development)
- Strong knowledge with Web Services, API Gateways and application integration development and design
- Deep expertise in the AWS components & APIs o Expert working knowledge of Operating Systems (Windows and Linux). o Advanced knowledge of databases (SQL Server and MySQL) + Advanced knowledge of relevant web services, mail, backup, and application monitoring

- Maintained the user accounts (IAM), RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud
- Developed and implemented Software Release Management strategies for various applications according to the agile process
- Deployed Docker Engines in Virtualized Platforms for containerization of multiple apps
- Installation and migration of on-premise Jenkins, Arti factory and SVN to AWS cloud infrastructure.
- Used AWS ECS to leverage container technology. Code Deploy for deploying the application code within EC2 instances.
- Implemented AWS solutions using EC2, S3, Redshift, Lambda, RDS, EBS, Elastic Load Balancer, Auto scaling groups, SNS, Optimized volumes and Cloud Formation templates
- Implemented DNS service (Route 53) in effectively coordinating the load balancing, failover and scaling function
- Experienced AWS Developer tools such as CodeCommit, CodePipeline, CodeDeploy, CodeBuild etc
- Monitor resources and applications using AWS CloudWatch, including creating alarms to monitor metrics such as EBS, EC2, ELB, RDS, S3, SNS and configured notifications for the alarms generated based on events defined.
- Provide security and managed user access and quota using AWS Identity and Access Management (IAM), including creating new Policies for user management in JSON.
- Used scripting languages like Python, Ruby, Perl, Bash and configuration management tools Terraform and Saltstack and Web Service like AWS
- Working experience with TFS/VSTS, Jenkins, Git, Jira, Ansible, Docker, ELK, Nexus, Sonar Qube, Ansible and Terraform
- Architected and engineered Kubernetes framework using Ansible with a stack comprised of AWS ELB, Istio, Envoy, Grafana by ensuring autoscaling with data persistence through ETCD on encrypted EBS volumes
- Experience deploying Big Data and AI/ML solutions with Docker and ECR, EKS, or Kubernetes

## GCP Cloud Experience

- Working on the migration of mobile application from On-premises to cloud (Google Cloud) by making the chunk of code to microservices.
- Involved in CI/CD process using GIT, Nexus, Jenkins job creation, Maven build and Create Docker image and use the docker image to deploy in gcloud clusters.
- Extensive Knowledge and hands-on experience implementing PaaS, IaaS, SaaS style delivery models inside the Enterprise (Data center) and in Public Clouds using like AWS, Google Cloud, and Kubernetes etc.
- Provisioning environments for Engg and QA as per the requirements and chasing timelines.
- Hands-on experience setting up Kubernetes (k8s) Clusters for running microservices. Took several microservices into production with Kubernetes backed Infrastructure.
- Very good understanding of Microservices architecture, adapting Industry best practices for Microservices while we break down existing apps into micro services.
- Created dynamic routing/load balancing capability enabling large application scaling, used ingress rules and Ingress Controllers - Nginx.
- Point team player on Kubernetes for creating new Projects, Services for load balancing and adding them to Routes to be accessible from outside, Creation of Pods through new application and control the scaling of pods, troubleshooting pods through ssh and stackdriver/splunk logs.
- Orchestrated CI/CD processes by responding to Git triggers, human input, and dependency chains and environment setup.
- Provide the permissions and required access to all the pub/sub topics and sinks to push/write the data to Stackdriver.
- Setup Alerting and monitoring using Stackdriver in GCP.
- Create custom log metrics using Stackdriver logging and create charts and alerts using the custom log metrics.
- Developed a continuous deployment pipeline using shell scripts in Jenkins
- Containerized all the ticketing related applications - Spring Boot Java and Node.js applications using Docker.
- Working with engg and upstream teams like OpenAPI on day-to-day environment issues on DEV and TEST env