**Balajikumar**

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**PROFILE**

• Overall 13+ years of total IT experience in which 8+ years of relevant experience with AWS/Azure Cloud computing, Cloud Architecture, Cloud migration, DevOps, and Project Management.

• Certified AWS solution architect-Associate and AZ-900 Azure fundamentals.

• Experience in Cloud services like EC2, Lambda, Direct Connect, KMS, S3, Security hub, WAF, VPC, Cloud trail, RAM, Cloud Watch, IAM, CloudFormation, EKS, Azure VM, Storage accounts, Azure AD (Entra ID), Disks, Virtual Network, and other security services.

• Worked extensively on Enterprise scale cloud infrastructure & designing projects like big data, recommendation engine & automation with CloudFormation, Terraform & Lambda.

• Designed and built serverless architecture using API gateway, AWS Lambda, DynamoDB and Event-driven-architecture using Amazon Event Bridge.

• Built and set up Landing Zone using AWS Control tower, Preventive & Detective guard rails, OU, and Account Factory to govern AWS multi account environment.

• Responsible for provisioning and managing AWS accounts with Account Factory, configuring security tools such as AWS Inspector, Cloud trail, Guard duty, Security hub, Config, Advanced Shield, WAF and integrating the logs with McAfee SIEM tool.

• Established HYBIRD architecture model by implementing dedicated Direct connect connection between corporate data center and AWS cloud.

• Expert in planning, designing, and implementing Network Architecture including components like VPN, Firewall, direct connect, Transit gateway, VPC peering, route table, VPC endpoints etc.

• Expert in planning and creating High-level and low-level design (HLD &LLD) documents for the application’s infrastructure deployed in AWS cloud.

• Planning and reviewing AWS cloud strategy roadmap and adopt to the cloud culture as the organization evolves.

• Proven experience with cloud integration, cloud services automation, IT budget management, Cloud transformation ROI (Return on Investment) and baseline TCO (Total Cost of Ownership).

**SKILLS**

* **AWS Services**: EC2 (EBS, ELB, Auto Scaling, Security group), S3,   
  Cloud Watch, Cloud Trail, IAM, SNS, VPC, KMS, Direct Connect,   
  CloudFormation, Code Commit, Code Pipeline, Lambda, EKS,   
  Directory service, EFS, RDS, DMS, EC2 Image Builder, Trusted Advisor,  
  AWS Single Sign On, AWS Organization, Control Tower, WAF,   
  Systems Manager, Code deploy, Inspector V2, Secrets Manager,   
  Resource Access Manager, AWS Backup, Config, Guard Duty,   
  Security Hub, Shield Advanced, Cognito, Data Sync, Storage Gateway.
* **Azure Services**: Azure VM, Storage accounts, Azure Virtual Network, Microsoft Entra ID, Resource groups, Subscriptions, Azure policies, Azure resource manager (ARM), Key Vault, Monitor, Function app.
* **Tools**: Terraform, ARM, CloudFormation, Jenkins, GitLab, Ansible, Bamboo, Docker, Lambda, JIRA & Confluence, GitHub, Git Bash, Splunk, AWS-CLI, Putty, OKTA, ORCA security, Visual studio code, Cloud shell.
* **Languages**: Python, JSON, HCL and YAML.
* **Operating Systems**: Windows, Amazon Linux, RHEL, Ubuntu and iOS.

EXPERIENCE

**AWS Architect, ADT Solutions April 2023 - present**

**Client: Stryker Corporation**

* Responsible for setting up Cloud governance model for the customer by centralizing logs, applying SCPs, establishing enterprise support plan, setting up SSO, tagging etc.
* Setting up AWS landing zone and core accounts for the customer.
* Adding all the standalone accounts and merging all AWS accounts from different acquisitions to the Organization account to achieve consolidated billing model.
* Migrating AWS direct connect from different organizations to Stryker Organization by transferring ownership of AWS accounts, creating SCPs for backups, cloud trail, Region restriction, Tags etc.
* Co-ordinating with application and security team to address all ORCA security findings in AWS accounts to maintain a hygiene and secure environment.
* Member of CCOE team who helps to plan and migrate workloads from AWS to Azure cloud with Hybrid setup.
* Saved more than $5000/month by cleaning up unused resources in multiple accounts by implementing best practices such as implementing reservations, right sizing the resources, and setting up retention periods for data stored in CloudWatch, S3, auto-scaling, upgrading the instances to latest generation.

**AWS Architect, Tata Play Ltd Dec 2020 - Mar 2023**

* Designing **multi account architecture** with TGW, direct connect & firewall.
* Automated Infrastructure provisioning through **CloudFormation** (IaC), Code Commit and Code pipeline.
* Designing **event-driven-architecture** with Event bridge, s3, lambda, SNS and SQS.
* Working on **HYBRID** architecture model.
* Implementing 3 Tier architecture for the projects enabled with WAF, VPN, Firewall, VPC Endpoints to add more security to the infrastructure.
* Provision EC2 instances with golden AMI scanned using Tenable and Inspector tools.
* Complete Ownership of more than 20 AWS accounts, Creation of accounts and configuring basic security tools.
* Responsible for AWS billing for all accounts, sharing consolidated billing to Management.
* Working on AWS resources renewal such as EC2, RDS, ElastiCache, Open Search and Cloud front.
* Working closely with AWS Technical account manager and Architect for new projects. implementation, architecture reviews and organizing hands on AWS training for cloud team.
* Reducing AWS cost using Trusted advisor report by removing unused volumes, snapshot, converting gp2 volumes to gp3, using graviton types for managed services reserving ec2 instances, RDS and archiving data from standard storage to glacier.
* Integrating Cloud trail logs, ALB logs, VPC flow logs and WAF logs to McAfee SIEM tool to analyze security events.
* Applying SCPs on OU for region restriction, enforcing encryption & Tagging, Cloud trail and config deletion restriction.
* Automated manual tasks such as instance stop & start and CDN cache refreshing.
* Provided AWS workspace solution as an alternate of Laptops for 3P vendors to restrict the data leakage.
* Migrated all NAT Gateway to Checkpoint Firewall which gives URL and port filtering.
* Migrating existing WAF to shield protected WAF for DDOS protection and to save cost.

**AWS Architect, Deloitte USI May 2020 – Dec 2020**

**Client: Lincoln Financial group**

* Designing Multi account, Multi region architecture for AWS resources and present to the client.
* Worked on creating image builder build components for various agents such as Data Dog, Splunk universal forwarder, SignalFx, TrendMicro, Nessus and AWS Inspector and created AMI by running the image builder pipeline.
* Complete setup of Splunk environment such as Splunk cloud, Splunk Indexer, Splunk Heavy forwarder and Splunk universal forwarder and deployment server to configure all the Splunk instances.
* Integrated OKTA and Azure ADFS with AWS to authenticate one or more AWS accounts and gain access to specific roles using single sign-on with SAML.
* Created AWS cloud formation template to launch AWS resources such as VPC, EC2, ALB, S3 etc.

**AWS Infrastructure Architect, Deloitte USI Aug 2019 – Apr 2020**

**Client: Blue Cross Blue Shield Association**

* Setup and configure new multi-account multi-region AWS environment using Control tower.
* Created end to end automation scripts using python boto3 to provision complete direct connect solution.
* Deployed Cloud Formation stacks and stack sets using AWS-CLI.
* Created automation script to provision AWS managed Microsoft AD and AD connector.
* Developed lambda function to create Okta and ADFS Identity provider in all the accounts.
* Create lambda function to provision AWS resources which are not supported by AWS resource types such as Direct connect, AD connector, Identity provider and EC2 Keypair.
* Setting up DR environment like the actual AWS environment.
* Designed architecture diagram for AWS KMS, direct connect and AWS certificate manager.

**AWS Infrastructure Lead, Deloitte USI Apr 2019 – Aug 2019**

**Client: Cloud Adoption Accelerator**

* Set up Load runner instance, created VuGen Scripts and scenario for performance testing against the application.
* Created Jenkins groovy script for DevOps tools and integrated the scripts with Jenkins’s pipeline script.
* Installed and configured Spinnaker, integrated Jenkins and AWS with Spinnaker and created a Spinnaker pipeline.
* Monitored monthly billing and shared a detailed sheet for all AWS accounts.
* Created AWS CLI scripts for creating cloud watch custom metrics and stack creation to deploy AWS resources.

**Team Lead, Indecomm Global Services Mar 2018 – Apr 2019**

**Client: Sony Corporation**

* Converting on-premises ERP to Cloud-based ERP (AWS).
* Involving end-to-end migration process from designing Lucid Chart diagrams to AWS resource provisioning of many applications currently running in a data center in Europe.
* Automating, initializing, provisioning and configuration processes by using Automation Tools (CloudFormation, Ansible).
* Preparing reusable Ansible project structure and configurations of multistage environments.
* Automating build and deployment of projects using VCS and CI/CD tools (Jenkins, GitLab, Maven, Code Pipeline and Code Deploy).
* Configure Snowball Edge and provided end-to-end support to transfer TBs of data from On-premises to AWS.
* Configure DMS for one-time and continuous data replication from on-premises database to AWS RDS.
* Working on JIRA tasks and assigning tasks to the team, generating JIRA reports, and preparing technical documents and uploading in Confluence.

**Tech Lead, Cognizant Technology Solutions Aug 2017 – Feb 2018**

**Client: Comcast Communications**

* Creating fully automated CI build and deployment infrastructure and processes using Jenkins.
* Working on creating S3 buckets and maintaining videos, logs, images, transcoded media files and Cloud formation templates.
* Working on creating cloud formation template, stacks and deploying AWS resources.
* Working on JIRA tasks, creating epic, generating JIRA reports, and preparing technical documents and uploading in Confluence.
* Creating backups of Amazon Machine Images from EC2 instances and working with snapshots of the volumes.
* Creating security groups and modifying inbound and outbound rules as per application requirement.
* Monitoring the application usage and resizing the servers to reduce the project’s cost.

**Senior Software Engineer, Tech Mahindra Ltd July 2015 – Aug 2017**

**Client: AIG Insurance**

* Working with AWS resources like EC2, S3, VPC, EBS, Auto Scaling, ELB, Security Groups, AMI, Snapshots, Cloud watch, IAM and SNS.
* Working on creating cloud formation template, stacks deploying AWS resources.
* Installing and configuring Splunk forwarder on newly created EC2 instances and monitoring logs on Splunk website.
* Creating and managing S3 buckets to maintain logs, static images, and CFN templates.
* Configuring SNS and cloud watch for alerts and monitoring the resources performance.

**Senior Software Engineer, Tech Mahindra Ltd Dec 2013 – June 2015**

**Client:** **Chevron Inc**

* Installing, configuring and Troubleshooting IBM FileNet Capture professional.
* Responsible for User creation, deletion and managing Security groups in FileNet.
* Involved in Metrics, auditing, and compliance management activities.
* Coordinated with Business and Technical teams during production outages.

**Associate System Engineer, GAVS Technologies Aug 2010 – Dec 2013**

**Client:** **IHS Inc**

* Had experience in all administration tasks on Windows and Linux servers.
* Configured web servers like IIS and monitoring logs of the applications.
* Coordinated with release management on software releases and deploy software patches in both Staging and Production environment.

**EDUCATION**

Arunai Engineering College, Tiruvannamalai, Tamil Nadu, Bachelor of Technology (IT) - 2010