Shashank Abhishek
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Principal cloud architect with 9+ years of experience with IT infrastructure services. Strengthen in AWS Solutions Architecture , System & Network Design, Security and Automation. Involved with Cloud infrastructure from last 6+ years successfully delivering and designing projects for organisation.

TECHNICAL SKILLS

- **Cloud Computing:** AWS [EC2, VPC Networking, AWS Lambda, Storage- {EBS, S3, Glacier}, IAM, Systems Manager, RDS, Site-to-Site VPN, Route 53, SNS]
- **Cloud Security tool:** AWS Trusted Advisor, AWS Config, Inspector, Security Hub
- **Load Balancer:-** F5, AWS ELB – [ALB & NLB]
- **IAAC:** Cloud Formation
- **CI/CD Tool:** AWS CodePipeline, Jenkins, CodeDeploy
- **Version Control:** GitHub
- **Containerization Platform:** Docker, Docker Swarm [Clustering Mechanism]
- **Config Management:** OpsWorks, Basics of Ansible
- **Application Servers:** IIS 6.0, 7.0,7.5,8.0,8.5,10.0, Apache
- **Scripting Language:** PowerShell, Python, YAML
- **Databases:** MS-SQL Server 2k8, 2k8 R2, 2k12, 2k14, 2k16, RDS
- **Tools:** Splunk, AppDynamics, Dynatrace, PDQ, Nagios

EXPERIENCE
PRINCIPAL CLOUD ARCHITECT   Hyderabad, IN
10/2018 – present [Digital Guardian]

- Design, Deploy and maintain enterprise class security, network and systems management applications within an AWS environment
- Implemented the CI/CD process for **Customer On-Boarding** , **Git integrated with Jenkins performing CI and CloudFormation as CD tool.**
- Implemented AWS ELB solution to get Static IP for customers with help of **AWS Lambda , NLB in front of ALB.**
- Responsible for Implementing migration strategies across the environment.
- Implement process and quality improvements through task automation. Institute infrastructure as code, security automation and automation or routine maintenance tasks
- Design the DB migration from Automation [**PowerShell and Log Shipping**]
- Lead team in designing/migrating AWS cloud-based solutions
- Work with distributed teams to design and develop frameworks, solution accelerators, proofs of concept, and external customer facing products
- Designing Solutions with Load Balancers **[F5, AWS ELB]**
- Expertise in patch configuration with AWS Systems Manager and automated the workflow for AMI patching.
- Handling SQL DB administration in terms of day-to-day incidents.
- Taking care of Monitoring configuration from environment perspective from CloudWatch, CloudTrail.
- Taking care of the documentation while implementing the solution which is required for audit purposes.

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Project # 1

➢ **Cost Reduction Project: -** [Re-designed the infra and saved ~$3+M for the company till date]

Storage Gateway Implementation: -

- [**NFS Mount Point to S3**] for storing the DB backups and meta-data files generated from DB to S3 bucket instead of local drive to save cost.
- Created robocopy script to move out the existing data from Local drive to S3 bucket.

Glacier Implementation: -

- Analyzed the existing objects in S3 with the help of S3 storage analytics and AWS Athena to decide which objects needs to be moved to different storage of S3 buckets.
- Implemented life cycle management for objects stored in S3 buckets to move into Glacier as archive project.

SQL DB Migration: -

- Analyzed all the implemented SQL DBs from spec point of view and redesigned the DB architecture to improve the performance and save cost.
- Automated the SQL DB migration using PowerShell script which saved manual efforts.
- Nearly saved $2M in 6 months of time frame.

Project # 2

➢ **Patching**: -

- With help of AWS Systems Manager successfully **automated patching** across regions within AWS and On-Premise Datacentre to make our environment complaint with standard.
- Designed **Workflow to automate AMI Patching**

Project # 3 [Ongoing with more implementation]

➢ **Automation**: - With moving towards more automation below has been implemented successfully.

Customer On-Board Automation: -

- Designed the **CI/CD model for customer on boarding** with help of GitHub , Jenkins , Docker, CloudFormation to reduce the effort from 5 days to 1 day.
- Implemented CI/CD pipeline for internal projects with help of AWS CodePipeline, Git and Elastic Beanstalk
- Automated the new region infra provisioning with help of CloudFormation.

Project # 4 [Cost Analysis]

- With module implementation I am responsible to do cost analysis and provide the monthly billing report to higher management.

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AWS CERTIFIED

AWS TECHNICAL LEAD   Pune, IN
[Client- Pitney Bowes]

- Automated Customer On-boarding with help of PowerShell.
- Implemented AWS Organization concept for consolidated billing.
- Designed the **security scan utility in AWS using services AWS Config, AWS Cloud Formation and Lambda function**
- Creation of standard templates for managed services offerings, deciding on the migration strategy whether use shallow cloud integration or deep shallow integration.
- Responsible for creating and maintaining **inventory Management and created server inventory using AWS Lambda.**
- Co-ordinated with different teams to monitor new environments.

SYSTEMS INTEGRATOR   Bangalore, IN
[Intel Technology India Private Limited]

- Designed the **Active-Active DC solution for the portal using multi-region deployment and route 53 as DNS solution.**
- Migrated employee portal from **Active-Passive to Active-Active environment** to make more secured solution at infrastructure level within Datacentre.
- Implement the CI/CD process with help of **AWS OpsWorks integrated with Chef Automate. [One Click Deployment Project]**
- Learned and Handled the Akamai configuration for intel.com
- Responsible for provisioning the environment using CloudFormation.
- Build the multiple environments from Dev , stage and prod perspective along with Organisation setup for consolidated billing.
- Maintained and configured the user accounts for dev, QA and production servers and created roles for EC2, RDS, S3, Cloud Watch, EBS resources to communicate with each other via IAM.
- Lead the project from troubleshooting stand point and successfully delivered across environments
- Handled Systems Patching
- Performed various Automation with help of PowerShell.
- Learned and completed the Installation, Configuration and administration of AEM/Dispatchers [IIS] on AWS platform.

APPLICATIONS ENGINEER   Bangalore, IN
[IPSoft Global Services]

- Supported 24*7 AWS Web Infrastructure
- Managed the different shifts in terms of work management
- Part of Comcast automation Team and automated environment in terms of Windows/IIS monitoring and automated deployment with use of PowerShell..
- Managed certificate updated and installation

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SENIOR ANALYST   **Noida, IN**
 [HCL - IOMC]

- Supported 24*7 Web Infrastructure
- As part of the team I used to take care of the IIS hosted application
- Responsible for troubleshooting IIS related issues.

CERTIFICATIONS

- AWS Certified DevOps Engineer – Professional
- AWS Certified Solutions Architect – Professional
- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner
- SiteCore 6.5 Administrator

ACCOMPLISHMENTS

- Saved $3+M for the company with enterprise architecture design implemented across AWS infrastructure.
- Received 3 excellence award till date with Digital Guardian
- Received excellence award for designing the security utility with AWS.
- Received 2 DRAs [Divisional Recognition Award] in Q2 2017 for delivering CI/CD project and NodeJs integration with Windows environment in Intel.
- Consecutive recognitions from various customer for on time delivery and troubleshooting of issue related to their applications.
- Star performer in Ipsoft for 2 consecutive quarters [Q2/Q3] in 2015.

ACADEMIA

- B-Tech (CSE), (in 2011) from Punjab Technical University, 76.8%
- XII from CBSE Board (in 2006), DAV Public School, 77.2%
- X from CBSE Board (in 2004), DAV Public School, 70.2