Kedar Namjoshi

(AWS CSA | AWS CSOA | Cloud CoE)

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**SUMMARY**

* Accomplished professional with overall 16 years of experience. Successfully delivered AWS cloud migration/implementation projects for clients in Telecom, Pharma, Healthcare & Fintech domains in the capacity of Cloud Engineer/Architect.
* Client onsite experience (Dallas and Chicago) as Cloud Engineer/Architect.
* Deep understanding of Agile and DevOps culture, various phases of DevOps & CI/CD pipeline.
* Experience in using AWS Cloud Adoption Framework (CAF) and working with customers in their cloud adoption journey. Good understanding of AWS Well Architected Framework.
* Experience in architecting infrastructure solutions using both Linux and Windows with specific recommendations on server, load balancing, HA/DR, & storage architectures.
* Broad knowledge in Cloud Security areas viz. Security Groups, NACLs, Load balancers, Availability Zones etc.
* Experience on designing and deploying AWS Services as per HIPAA compliance requirements.
* Experience in deploying Amazon Web Services - IaaS (EC2, ELB, VPC, S3, CloudFront, IAM, RDS, Route 53, CloudWatch, SNS) in Cloud Migration projects.
* Experienced in deploying the AWS network architecture including Transit Gateway, VPN connectivity between regions and colocations.
* Hands-on experience in IaC like CloudFormation, Terraform.
* Knowledge and hands-on with different IMS elements like SBC, BGCF, MGCF, MRF, MRFP, MGW and interfaces.
* Extensive experience with SIP Call processing and SIP Supplementary Services.

**TECHNICAL SKILLS**

Domain: Telecom, Pharma, FinTech, Healthcare

IaC CloudFormation, Terraform, Heat Orchestration, YAML, JSON

Scripting Python

Container Orchestration AWS ECS

Cloud AWS, Openstack

Cloud Migration CloudEndure, VM Import/Export, AWS Datasync

Cloud Operations AWS CloudWatch, AWS Systems Manager, AWS CloudTrail, AWS Trusted Advisor, AWS Config, GuardDuty, WAF & Shield

Telecom/Telephony Specific: Switching, SIP, SIP Trunking, VoIP, VAS, IMS, CDMA/GSM Call Processing, VoLTE, and Data Networks

Protocols: H.248, SIP, DNS, SS7, IPv4, IPv6, TCP/IP

Tools: JIRA, Confluence

Operating Systems: Linux, Windows

**CERTIFICATIONS**

* AWS Certified Solutions Architect – Associate
* AWS Certified SysOps Administrator – Associate
* Certified Scrum Master – Scrum Alliance (CSM®)
* Certified Scrum Product Owner® (CSPO®)
* Certified SAFe® 5 Agilist
* EXIN Certified DevOps Master

**ORGANIZATIONAL EXPERIENCE**

**UST Global PVT Ltd (30 Dec 2019 – Present)**

Customers: Travelex, T-Mobile, Vanguard Charitable, Stonebrook Risk Solutions

Role: Cloud Infrastructure Analyst (Cloud CoE)

Location: Mumbai

**Cloud Infrastructure Analyst Responsibilities:**

* Working as Cloud Architect in Cloud CoE team of UST Global.
* Participate in the architectural discussions, processes to understand client's business and technical requirements.
* Design and deployment of dynamically scalable, fault-tolerant, reliable, and highly available applications on AWS.
* Responsible for costing, design, building and managing the infrastructure environments needed for the AWS cloud migration projects.
* Work with Enterprise Architects, Security Architects to understand how the solution works on existing on-premises infrastructure & devise an AWS architecture to support it.
* Work with Application Architects to understand the functionality, interface touchpoints and design.
* AWS IaC – Build CloudFormation templates/stacks and Terraform scripts for automating the provisioning of AWS resources.
* Design, architect, lead and build Proof of Concepts in AWS cloud.
* Set up Landing Zone with VPC, Security Groups, Route Tables etc.
* Deploying the overall AWS Virtual Private Cloud (VPC) environment including server instance, storage instances, subnets, network access controls, security groups, availability zones, etc.
* Work on multiple Proof of Concepts to validate new services to be used in AWS, provide the demo to client teams, document the findings and feedback received.
* Devise deployment strategies like Blue/Green deployment, Canary deployment.

**Accomplishments and POC:**

* Successfully migrated SAP workloads to AWS (Lift & Shift)
* PoC – AWS managed VPN solution (AWS Client VPN Endpoints) – Setup global VPN endpoints as a means for global teams/people to access AWS resources (applications and databases).
* PoC – CloudFront distribution with Application Load Balancer as Origin along with AWS WAF.
* PoC – Implement the HA-Proxy functionalities using ALB.
* PoC – Transit Gateway Peering to interconnect multiple VPCs in different accounts.
* PoC – Adding DNS filtering with Squid proxy on NAT instance for private EC2 instances.

**CloudClicks Software Consultancy LLP (1 May 2019 – 27 Dec 2019)**

Customer: Pharmaspectra LLC

Designation: Senior DevOps Engineer

Location: Mumbai

**Cloud Engineer Responsibilities:**

* Participate in the architecture discussions, processes to understand client's business and technical requirements.
* Effectively follow AWS CAF (Cloud Adoption Framework) to identify key stakeholders and perspectives.
* Design, architect, lead and build Proof of Concepts in AWS cloud.
* Extensive knowledge on AWS VPC, VPN, Transit Gateway, EC2, ALB, EFS, ECS, System Manager, S3, CloudWatch, CloudFront, AWS DataSync, CloudFormation.
* Creating detailed documentation on system architecture for DC migration to AWS Cloud.
* AWS IaC – Hands-on knowledge of building CloudFormation templates/stacks and Terraform scripts for automating the provisioning of AWS resources.
* Responsible for Security & General Governance in the following areas –

 Identity Access and Management (IAM)

 Network Level Security

 AWS Resource Configuration Management (AWS Config).

* *Docker/ECS:*

Deploying application on Docker Containers for migration from On-prem to AWS.

Using Application Load Balancers for Docker containers.

Building ECS cluster and creating containerized services onto it.

* Executing functions related to building & managing DevOps practices.

**Accomplishments and POC:**

* Successfully migrated applications from On-premises to AWS ECS (Replatform strategy)
* PoC - “How to visualize and analyze AWS VPC Flow Logs using Elasticsearch and Kibana for Network Troubleshooting”.
* PoC - “Set Up An EC2 Based SFTP Server Backed By S3 On AWS”
* PoC – AWS DataSync for cross-region scheduled transfer of media files between EFS.

**KFORCE Inc. (18 June 2018 – 31 December 2018)**

Customer: AT&T Mobility LLC

Designation: Senior Network Engineer

Location: Warrenville (IL, USA)

* Complete ownership of testing & deployment (Sandbox & Production) of Ericsson IMS elements on AT&T Integrated Cloud environment (Openstack Cloud).
* Leading a team of engineers on deployment, integration, platform certification & advance technical support. (Testing & Certification of Ericsson platform)
* Hands on experience on SBG/SBC (Session Border Controller), BGF (Border Gateway Function) & ECE (Ericsson Composition Engine) in AT&T BVoIP infrastructure (AT&T Integrated Cloud).
* Hands on experience on Openstack orchestration & configuration. Activities involve –
1. Spinning up/Onboarding VNFs of SBC, BGF/MRS, ECE (With Heat Templates).
2. Setting up/troubleshooting networking between the VNFs
3. Performing maintenance activities on Openstack VMs. (Upgrades, Backup/Restore etc.)
4. Troubleshooting communication issues between VMs.
* Preparing test plan for feature tests, regression tests, interoperability & platform certification tests.
* End to End call flow validation of VoIP services involving interaction with IMS.
* Provide End to End Lab environment test support.

**Tata Consultancy Services Limited (16 July 2008 – 6 June 2018)**

Customer: Ericsson USA.

Role: Cloud Engineer, Test Manager, Infra Project Manager

Location: Mumbai (India) and Dallas (TX, USA)

**Cloud Engineer Responsibilities:**

* AWS –
1. Providing planning & architectural services for migrating on-premises workloads to AWS cloud.
2. Creating system architecture documents for migration of applications to AWS cloud.
3. Automation of AWS deployment using CloudFormation.
4. Setting up VPC, EC2 instances (Auto scaling group), ELB, RDS instances for migrating on-premises workloads to AWS.
* Openstack – vUCORE: Orchestration and Commissioning
1. Importing QCOW2 images into Glance
2. Verifying existence of Heat templates and environment files
3. Creating storage volumes
4. Creating vUCORE cluster
5. Verifying all vUCORE nodes and service units are at the expected state
6. Configuring the service units.

**Test Manager Responsibilities:**

* Validation of Ericsson CDMA & Ericsson GSM-N MGCF software releases in lab.
* Wrote and executed automation test cases on Media Gateway features using Nortel's CATT and CTDAT tool.
* Identify & document all the call scenarios for feature test, regression test. Perform the lab setup as per the feature requirement. Perform the calls, collect the traces & verify/troubleshoot the call flows.
* Hands on experience of performing software upgrades of M-MGW (CPP) & Passport 15k based MGW using Node Manager as well as through CLI.
* Use of tools like Wireshark, H.248 decoder to capture the packets between end points & decoding the messages for fault detection.
* Coordinated multiple projects simultaneously in onsite/offshore model.

**Infra Manager Responsibilities:**

* Complete ownership of Datacenter (R&D Lab) planning, engineering, and project execution.
* Identifying the footprint locations for new frames as per floor layout diagram.
* Update the AutoCAD drawings for floor layouts.
* Ordering the materials in procurement system (cables, frames, fibers, connectors, cards etc.)
* Tracking the shipments of the materials.
* Preparing engineering documents for different projects - Engineering includes
* Monitoring the physical installation of materials from third party vendors.
* Commissioning of various telecommunications nodes (loading the OS, configuring the IP addresses, setting up networking).
* Integrating the newly commissioned nodes with existing nodes.
* Identifying & reporting of the project level risks related to material shipment, space availability, resources for commissioning & integration.
* Closely tracking the project work progress & timely reporting to management.

**Reliance Communications Limited (16 July 2007 – 5 July 2008)**

Project/Company: Reliance Communications Limited, DAKC Navi Mumbai

Location: Navi Mumbai

Designation: Deputy Manager Wireless Planning

* Managed daily analysis of IN-IVR congestion report & planning of E1 augmentation to minimize the congestion
* Facilitated solutions to new business requirements for prepaid subscribers.
* Raised work orders with detailed Method of Procedures for BSS Operations teams to implement the changes in SCP/SDP for the new features.
* Involved in planning IN nodes (SCP, SDP, and remote IVR) for Reliance GSM services rollout

**Lobo Staffing Solutions (12 June 2006 – 6 July 2007)**

Project: Videsh Sanchar Nigam Limited, Mumbai

Client: Vodafone, IDEA & TATA Teleservices

Location: Prabhadevi, Mumbai

Designation: Associate Engineer IN NOC

* Extended technical support for the network & IN platform related issues to the mentioned clients.

**Tata Teleservices Maharashtra Limited (5 November 2004 – 1 January 2006)**

Project/Company: TATA Teleservices Maharashtra Limited, Pune

Location: Shivajinagar, Pune

Designation: Apprentice Trainee and Graduate Engineer Trainee

* Managed FWP telephone installation & provisioning along with field engineers
* Ensured configuration of landlines in Lucent Wireline Switches

**EDUCATION**

* Bachelor of Engineering in Electronics from University of Pune, Maharashtra, India (September/2000 to August/2004)
* Diploma in Industrial Electronics from V.P.M's Polytechnic, Thane, Maharashtra, India (July/1997 to August/2000)