# PERSONAL PROFILE GET IN CONTACT

A W S D E V O P S E N G I N E E R

**AKSHAY PUROHIT**

Qualified Professional with 9+ Year’s experience in IT Infrastructure Cloud, Storage and DR Architecture and management.

A technological focused in strategic thought leadership concentrated around Cloud,DevOps Automation, Hybrid Cloud and Cloud Migration. Karan has provided consultation in cloud strategy, solution design and DevOps.

Together with B.E in Electronics & Communication, Akshay is also AWS Certified SysOps- Professional.

Seeking a position to utilize my skills and abilities in the IT Industry, where growth prospects are unlimited and individuality is recognized by culture

# CERTIFICATES

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# SKILLS

**VCS:** Github

**CI Tool/Security:** Jenkins, Travis

**Infrastructure as Code:** Terraform, Cloudformation

**Containers:** Docker

**Automation:** Ansible

**Container Orchestration:** Kubernetes, EKS

**Cloud:** AWS

**Operating System:** Linux, Rhel7, CentOS

**Logging & Monitoring:** Cloudwatch

# EDUCATION HISTORY

**B.E. in Electronics & Communication**

RGTU UNIVERSITY

**(2007-2011)**

* AWS Certified SysOps Administrator
* NetApp Certified (NCDA)
* IBM Enterprise Storage Technical V3
* Symantec NetBackup Specialist (STC)

# EXPERIENCE

**COGNIZANT SOLUTIONS (DEC 2016 – PRESENT)**

## Project Responsibilities

Building out new customer cloud solutions using cloud native components and DevOps.

Setup a large AWS account from scratch. During this, I worked on a lot of key AWS Services such as Multi-Region CloudTrail, AWS SSO, AWS CMK's, VPC Flow logs, AWS Config, AWS Config aggregator, SCP policies, Moving account between organisations, CloudWatch metric filters.

Setup the whole Network Architecture for one of my clients, which include TGW and a Highly available IpSec VPN Connection.

Currently playing the role of an AWS Architect and designing solutions for banking applications.

Design, implement, and extend automation tools for infrastructure, application and container management. Deploying, supporting and monitoring new and existing services, platforms, and application stacks using different tools.

Help in maintaining stability, security, efficiency and scalability of different systems by applying software engineering practices.

Help in hiring new talent for different roles w.r.t DevOps.

## Technology: Kubernetes/AWS/EKS/Terraform

Design an end-to-end solution for java web application running over AWS and accessed via on-prem data centre vm's.

Designed and worked on migrating legacy environment running on AWS EC2 to new eco running on AWS EKS. Automated and deployed infrastructure using IAC (Terraform).

Configuring cross account connectivity for applications running across different AWS account to communicate with external entities either using an external AWS load balancer etc.

Documenting all learnings and troubleshooting in confluence which can help others when facing similar issue.

**ORACLE INDIA (OCT 2015 – DEC 2016)**

## Project Responsibilities

Established DevOps framework using Terraform, GitHub and Travis.

Implemented and built AWS Infra (VPC, Subnets, Route Tables, ELB, EC2, SG, NACL, Transit Gateway, IAM Roles, S3, EFS, RDS) as IaC using Terraform templates.

Created end to end HLD and LLD for AWS and DevOps.

Have performed the migration of around 200 linux servers from on-prem to AWS using CloudEndure.

Also worked on AWS to AWS migration which involves migrating encrypted snapshots from one AWS account to another.

Improve the stability, security, efficiency and scalability of different systems by applying software engineering practices.

Mentor juniors and help them resolve tasks

## Technology: AWS/CloudEndure/Jenkins

Automated infrastructure deployment using CI/CD pipeline which involved Github, Jenkins and Terraform. Setup CloudEndure and migrated server.

Created custom terraform modules for creating and deploying infrastructure over AWS. Led and trained other resources on AWS, Terraform and DevOps framework.

Deployed Fortigate as IPS/IDS solution on AWS cloud using terraform templates. Coordination with Application and Testing teams for end to end deliverables.

Providing best practices and cost effective architecture for cloud implementation.

**HCL Technologies & Team Computers (July 11 to Oct ’15)**

* Knowledge of Network protocols (TCP/IP, HTTP, SSL/TLS, SSH, etc.)
* Planning, Preparation and Implementing Data Ontap Upgrades.
* Understanding of SAN and or NAS HW technologies
* Storage LUN provisioning, CIFS File System, NFS File system Management
* Vendor Management, Managing iSCSI/FCP, TCP/IP Networks protocols.
* Managing VIF, VLAN, RAID, WAFL and NVRAM.
* Physical Storage Management: Assigning disk ownership aggregate, Flexible Volume, Q-tree, RAID-DP,
* Disk Scrubbing Snapshot, Snapmirror, Snaprestore, Snapvault,OSSV ,Vol Copy, NDMP Copy, Deduplication,
* Management of Disk shelves, DR using Metro-cluster Non-disruptive hardware.
* Failover and single point of failure.

**Technology: STORAGE/BACKUP/CLOUD**

* Infrastructure Development on AWS by employing services such as EC2, RDS, Cloud Front, Cloud Watch, VPC, etc.
* Extensively worked, Infra Migration/ Upgrade NAS/ SAN (NetApp, ZFS, EMC).
* Understanding of SAN and NAS HW technologies storage protocols like iSCSI, NFS, SMB
* Design implement maintain all AWS infra and services within a managed service.
* Knowledge of Network protocols (TCP/IP, HTTP, SSL/TLS, SSH, etc.)
* High Availability and Clustering Solutions administration