

DIPAK PRASAD POUDEL

Senior Solution Architect ||AWS Accredited Trainer ||AWS Community Builder
||AWS Academy Certified Educator

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AWS and Azure Cloud Administrator & DevOps, targeting projects in System/Cloud Server Administration with a reputed organization, preferably in the IT industry/AWS Accredited Educator

CAREER OBJECTIVE

Work as a Sr Solution Architect with a total of 8 years of experience, including 7 years in AWS or Azure Administration/Development Project Management Administration, Service, Delivery Management, Backup Engineering Infrastructure, Cloud Infrastructure Architect, and Cloud Security Admin.

PROFESSIONAL SUMMARY

- Develop, implement and operate controls to secure cloud-based systems
- Utilize cloud-based APIs when appropriate to write network/system-level tools for securing cloud environments
- Recognize, adopt, utilize and teach best practices in AWS cloud security
- AWS Infrastructure setup Web Server, App Server, and RDS Server
- S3 API implementation for accessing S3 bucket data files etc.
- Deploy, manage, and operate scalable, highly available, and fault-tolerant enterprise systems on AWS.
- Launching Instances on EC2 with EBS in Auto scale configuration using AMIs (images) with ELB.
- Set up cloud trail, data backup, and logging on S3 buckets.
- Implementing and controlling the flow of data to and from AWS through security groups.
- Setup users, and groups in IAM by leveraging various policies
- Installed and set up Web Servers (Apache and Tomcat), and DB Server (MySQL).
- Installed and set up MySQL (Master and Slave) Server, Multiple MySQL Instances with a different port.
- MySQL Database backup (Hot/Cold) and recovery, repair, and optimization tables,
- MySQL Database security, creating users, and managing permissions.
- Servers, Domain, and Database migration on Amazon Web Services.
- Installed and set up Nagios Server monitoring tools, Plugging, and NRPE.
- Installed and set up Get/SVN Repository (Version Control System) on the client side.
- Log Analysis, Maintaining documents of production server error log reports.
- Providing data for weekly and monthly reports to senior management.
- Monitor Production Server Health of different parameters (CPU Load, Physical Memory, Swap Memory, Hard disk, MySQL service, an HTTP service, and response time) via MRTG, Nagios.
- Investigation and Recover of Production Server Issues like Server load (parsing, mail, query stuck), etc.
- Manipulation of shell scripts; PHP scripts and java scripts during migration and DB connection.
- Proficient in using all amazon web services like EC2, EBS, IAM, S3, ELB, RDS, VPC, ROUTE 53, Cloud Watch, Cloud Formation Templates, auto-scaling groups, etc.

- Experience in managing and maintaining IAM policies for organizations in AWS to define groups, create users, assign roles and define rules for role-based access to AWS resources.
- Experience in Log Insight and Cloud Watch services to diagnose problems and configure alerts.
- Server's, Domain, and Database migration on Amazon Web Services
- Setup/Managing Amazon Web Services monitoring tools.

Genese Solution as Senior Solution Architect (AWS) Kathmandu from Jan 2019 to Currently Working

KEY CONTRIBUTIONS: SENIOR SOLUTION ARCHITECT (AWS)

- SETUP UP/MANAGE LINUX SERVERS ON AMAZON (EC2, EBS, ELB, SSL, SECURITY GROUPS, RDS, AND IAM).
- Setup/Managing VPC, Subnets; make the connection between different zones; block suspicious IP /subnet via ACL.
- Setup/Managing CDN on Amazon Cloud Front (Origin Path: Server / S3) to improve the site
- Create/Manage buckets on S3 (CLI), store DB and logs backup, and upload images for CDN service.
- Setup/Managing Databases on Amazon RDS. Monitoring servers through Amazon Cloud Watch, SNS.
- Setup/Managing VPC, Subnets; make the connection between different zones; block suspicious IP/subnet via ACL.
- Setup/Managing CDN on Amazon Cloud Front (Origin Path: Server / S3) to improve the site
- Create/Manage buckets on S3 (CLI) and store DB. and logs backup, and uploads images for CDN serve.
- Setup/Managing Databases on Amazon RDS. Monitoring servers through Amazon Cloud Watch, SNS.
- Creating/Managing DNS records on Amazon Route 53 and the go-daddy panel.
- Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)
- Creating AWS Instances and Resources Bills.
- Managed the user accounts (IAM), RDS, ROUTE53, VPC, and SNS services in the AWS cloud.
- Managed the user accounts in the Azure cloud.
- Managing Amazon Web Services - ELB, EC2, S3, RDS.
- Worked directly with AWS architects to help reproduce and resolve customer issues.
- Created monitors, alarms, and notifications for EC2 hosts using Cloud Watch Monitored System Performance Managed Disk Space LVM (Logical Volume Manager) and performed system Backup and Recovery.
- Creation, Management, and Configuration of Virtual Machines, clones, and Templates.
- Managed and supported AWS Security related issues, such as IAM and S3 policies for user access
- Managing Amazon Web Services - ELB, EC2, S3, RDS.
- Worked directly with AWS architects to help reproduce and resolve customer issues.

- Created monitors, alarms, and notifications for EC2 hosts using Cloud Watch Monitored System Performance Managed Disk Space LVM (Logical Volume Manager) and performed system Backup and Recovery.
- Creation, Management, and Configuration of Virtual Machines, clones, and Templates.
- Managed and supported AWS Security related issues, such as IAM and S3 policies for user access.
- Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, SSL, Security Groups, RDS, and IAM).
- Setup/Managing VPC to make a connection between different zones blocking suspicious IP/subnet.
- Setup/Managing CDN on Amazon Cloud Front (Origin Path: Server/S3) to improve site performance.
- Create/Managing buckets on S3 (CLI), store DB and logs backup, and upload images for CDN service.
- Setup/Managing Databases Monitoring servers through Amazon Cloud Watch, SNS & Data Dog.
- Creating/Managing DNS records on Amazon Route 53 and the go-daddy panel.
- Amazon EC2, Amazon S3, Amazon VPC, Amazon RDS, Amazon Elastic Load Balancing,
- Amazon SQS, SES .and other services of the AWS family
- High-Availability, Fault Tolerance, Scalability, Database Concepts, System and Software Architecture

HCL Noida as Cloud Associate Engineer (AWS) Noida from April 2017 to December 2018
Key Contributions: Cloud Associate Engineer (AWS or Azure)

- Implementation of various AWS or Azure cloud Applications & deployment using Amazon.
- Worked on Amazon Web Services (EC2, ELB, VPC, S3, Cloud Front, IAM, RDS, Route 53, Cloud Watch, SNS,)
- Manage the user accounts (IAM- Identity Access Management), RDS, ROUTE53, VPC, and SNS service in the AWS cloud.
- Configuring an AWS Virtual Private Cloud (VPC) and Database Subnet Group for isolation of resources within the Amazon RDS My SQL DB cluster.
- Managing Amazon instances by taking AMIs and performing administration and monitoring of Amazon instances using Amazon Cloud Watch.
- Created S3 buckets, managed policies for S3 buckets, and utilized S3 Buckets and Glacier for storage, backup, and archiving in AWS.
- Create and backup data Provide AWS & Azure technical support.
- Security, IT Infrastructure, Virtualization, and Internet Technologies
- Creating AWS Instances and Resources Bills.
- Design Azure Resource Manager (ARM) networking
- Design an application storage and data access strategy
- Design advanced applications
- Design Azure web and mobile apps
- Design a management, monitoring, and business continuity strategy
- Architect an Azure Compute infrastructure

- Provide support to clients in terms of AWS or Azure and its services.

Xperia Technologies Pvt. Ltd. Noida as Cloud Supports AWS) Jan 2015 to March 2017 Key Contributions: Cloud Supports AWS)

- Provide support to the clients in terms of AWS and its services.
- Configuration for various AWS services such as EC2, S3, ELB, VPC, Route53, and IAM.
- Configuring an AWS Virtual Private Cloud (VPC) and Database Subnet Group for isolation of resources within the Amazon RDS My SQL DB cluster.
- Managing Amazon instances by taking AMIs and performing administration and monitoring of Amazon instances using Amazon Cloud Watch.
- Creating S3 buckets and managed policies for S3 buckets and utilized S3 Buckets and Glacier for storage, backup, and archiving in AWS.

Teaching Experience (Honored as an Subject Expert in IOE TU)

- Pulchowk Campus IOE Masters (Scalable Architecture)
- Pulchowk Campus IOE Bachelor (Enterprise Computing)
- WRC College IOE Masters (Scalable Architecture)
- School of Management TU Masters (Cloud Computing)
- Sagarmatha Engineering College IOE Bachelors (Enterprise Computing)
- Kantipur Engineering College IOE Bachelor (Enterprise Computing)
- Nepal College of Information Technology Pokhara University
 - AWS Developer Associate
- Universal Engineering College
- Kathford Engineering College
- Lord Buddha Education Foundation (LBEF) Asia Pasific University
- Divya Gyan College (Cloud Computing)
- Samriddhi College (Cloud Computing)
- British College Masters
 - AWS Solutions Architect
- Boston International College (Cloud Computing)
- Virinchi International College (Cloud Computing)
- Texas International College (AWS Cloud Practitioner)
- Cellpay Nepal (AWS DevOps)
- 8Squarejs (AWS Solutions Architect Professional)
- Logpoint (AWS Solutions Architect)

ACADEMIC DETAILS

- M.Tech (C.S.E) from UGI, Mohali, Punjab, India 75.00%
- B.Tech (I.T) from MIMIT, Malout, Punjab, India in 2015 with 70.00%

TRAINING & CERTIFICATION

- Six Sigma White Belt Certification
- AWS Academy Accredited Educator
- AWS Solutions Architect Professional
- Architecting Microsoft Azure Solutions
- Cloud Computing (AWS) on-the-job training in Xperia Technologies Pvt. Ltd New Delhi.
- Red Hat Certified Engineer 7.0 in Network nuts New Delhi
- CCNA training in Embex, Sector 34 -A, Chandigarh, Punjab.

- Web design training in Intertsoft Professional, Bathinda, and Punjab.
- Java Seminar & training in EME Technologies.
- I.T Awareness Seminar in PACT Solutions Chandigarh, Punjab.
- Workshop on Linux (Red Hat) in U-Net Solutions, Punjab.
- Amazon awesome day Certifications

PERSONAL DETAILS

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| Date of Birth: | 7 th December 1991 |
| Languages Known: | English & Hindi & Nepali |
| Address: | Kathmandu (Nepal) |

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.