

# PRASANNA KUMAR GUTTULA

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## SUMMARY

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- Have total experience of **8.7** in IT of which **5.6** years of experience as AWS cloud engineer in **Infosys ltd** and **3.1** years of experience as python developer in att Solutions Private Limited.
- Knowledge of **AWS** cloud services like **Compute, Network, Storage and Identity & access management.**
- Worked on Amazon **EC2, S3, VPC, ELB, Auto scaling, IAM, Cloud Watch** services, etc.
- Involved in maintaining the reliability, availability, and performance of Amazon Elastic Compute Cloud (Amazon EC2) instances.
- Hands-on Experience in configuration of Network architecture on AWS with VPC, Subnets, Internet gateway, NAT, Route table.
- Created S3 buckets, bucket policies and permissions, enabling/disabling versioning on the S3 buckets.
- Involved heavily in setting up the CI/CD pipeline using Jenkins, Terraform, Docker and GitHub
- Experience in developing **Lambda Function.**
- Worked on infrastructure as a code using **Terraform.**
- Facility with development methodologies including Agile.
- Experienced in making changes in the python code as per the client requirement.
- Writing reusable and efficient python code.
- Basic knowledge on python Boto3.

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## SKILLS SUMMARY

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- Cloud Service – Amazon Web Services, Azure
- Cloud infrastructure as a code – Terraform
- Devops tools: Jenkins, Azure Devops
- Application Service – Linux, Windows
- Database: MySQL, DB2, Mongo DB
- Monitoring – Cloud Watch, Nagios

- Programming Language – Python, Shell scripting
- Versioning Tool – Git
- Container tools – Docker and Kubernetes
- Ticketing tool : Service now, Jira

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**INFOSYS LTD**

**DESIGNATION – TECHNOLOGY ANALYST**

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**PROJECT SUMMARY**

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**Project 1:**

**Client: FIRST GROUP OF AMERICA**

**Duration:** September 2018 to Till Date.

**Role: AWS Cloud Engineer**

**Responsibilities:**

- Infra-structure development on AWS using various services like EC2, S3, VPC, Route 53, Cloud Watch, IAM, VPC etc.
- Setup and managing EBS Volumes and EIP to EC2Instances.
- Creating EBS volumes, taking snapshots for volumes. Creating volumes from snapshots.
- Creating Elastic Load Balancing on EC2 servers and troubleshoot/fixing the ELB issues.
- Implementation of Auto Scaling for instances under ELB using ELB Health Checks and EC2 health checks.
- Created AMI's of critical EC2 instances as back up using Amazon CLI and GUI.
- Creating S3 buckets, bucket policies and permissions, enabling/disabling versioning on the S3 buckets.
- Creating public, private subnets in VPC, routing table, network ACL and security groups. □ Maintaining AWS user accounts (IAM) with fine-grained access control and MFA.
- Involved in build, change and version infrastructure safely and efficiently using **Terraform**
- Installation and setting up Kubernetes cluster on AWS manually from scratch.

## **Project 2:**

### **Client:**

### **Synchrony financial services(client)**

**Duration:** September 2017 to August 2018

**Environment:** Python, MySQL, Aws

### **Role: Python Developer Responsibilities:**

- Worked as a junior Python developer.
  - Experienced in making changes in the code as per the client requirement.
  - Writing reusable and efficient code.
  - Experienced in version control and source code management tools like GIT, GITHUB.
  - Experienced in pushing the code to git repository.
  - Experience in creating Devops strategy in a mix environment of Linux (WINDOWS, LINUX and UNIX) Instances along with Amazon Web Services.
  - Involved extensive work towards code compilation, packaging, building, debugging, automating, managing, tuning, and deploying code across multiple environments and Linux Administration
  - Experience in Amazon Cloud Services and its features (AWS EC2, VPC, EBS, AMI, snapshots, Autoscaling, Cloud Formation, Lambda, SES, SQS, SNS, RDS, ELB, EBS, CloudWatch, S3 etc.).
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- Worked on Cloud automation using AWS Cloud Formation templates

**ATT SOLUTIONS PRIVATE LIMITED**

**DESIGNATION – CLOUD ENGINEER**

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### **Project Summary**

## **Project 1:**

Client : Argos  
Designation : AWS cloud Engineer.  
Duration : Feb 2015 to Sep 2017.

## **Roles and Responsibilities:**

- Creating AWS instances and Managing credentials on the account and manages the cloud services Including EC2, S3, RDS, IAM, SNS, VPC, ELB and cloud watch.
- Creating new servers (Windows/Linux) in AWS.
- Expertise level knowledge of Amazon EC2, Amazon S3, Amazon RDS, Elastic Load Balancing and Cloud Watch.
- Build servers using AWS: EC2, RDS, creating security groups, Auto-scaling, load balancers (ELBs) in the defined virtual private connection.
- Creating new EBS volumes and attaching same to EC2 instance when needed.
- Backing up the EC2 instances volumes by creating a snapshots
- Amazon Machine Image (AMI) Creation and launching machines using AMI's.
- Maintaining and upgrading the EC2 instances based on client requirements.
- Creating an S3 bucket and S3 lifecycle policies. Give access for required user.
- Adding bootstrap scripts for EC2 instances while launching.
- Launching NAT instance within VPC to provide internet to private Subnets.
- Monitoring EC2, ELB, RDS through cloud watch.
- Assigning roles to EC2 instances to access/store data from other AWS services like S3.
- ELB – Creating Load balance for EC2 Instances within VPC, adding instances to make services highly available.
- Managing load and instance failures through auto scaling and launch configuration.
- Monitoring the health of each EC2 instances on daily basis.
- Creating RDS instances and managing using snapshots.
- Have been involved in support for the projects during the installation of servers on EC2 Instances.

- Administered user accounts, adding, modifying and removing users and groups.
- Install and upgrade of Chef Client and Make sure servers are getting converge with chef-server.
- Creating of Organization, Environment, and users in Chef Server.
- Configure Ansible and writing a playbook.

## Project 2:

Client : Home Shopping Network (HSN).

Designation: AWS/Linux administrator.

Duration : Dec 2013 – Feb 2015.

### Roles and Responsibilities:

- Worked as a part of AWS build team.
- User Administration and management like add/change/delete Maintaining users level security.
- Configure the Users and Groups policies and permissions.
- Installing different Linux servers and Applications
- Add and delete then updating user account information, password resets, etc.
- Security Management and file/directory restrictions
- Scheduling the jobs and analyzing Corn jobs status.
- Experience in Installation and Configuration of Apache web server
- Build and release EC2 instances, Developing and Production environment.
- Setup and attached EBS volumes to EC2 instances.
- Setup and configured EIP to EC2 instances.
- Setup and managed security groups, VPC' specific to environment.
- Setup and managed backup and recovery using snapshot.
- Created AMI images of critical ec2 instances as backup using AWS CLI.
- S3 – working with S3 to Create the buckets to store objects
- Changing permissions on buckets/objects.
- Managing cost on S3 buckets by using Standard, S3 infrequent Access and reduced redundancy storage.
- Implementing lifecycle management send data to Glacier.

- Managed and created user accounts, shared folders, providing day to day user support, log management, reporting, etc.
- Launching NAT instance within VPC to provide internet to private Subnets.
- Monitoring AWS services EC2, RDS etc. through cloud watch.
- Expertise in handling multiple RDS (Relation Database Service) instances. This includes migration of Production Databases from on-premises to Cloud.
- Provisioning RDS instances such as MySQL, SQL Server.
- Enabling automated backups and multi-AZ to improve database performance on RDS.
- Have been involved in support for the projects during the installation of servers on EC2 Instances

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## ACADEMIC

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□ **B. Tech** in Computer Science and Engineering from **RVV university Mumbai**.

Declaration:

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

Place: Hyderabad  
Date: 12<sup>th</sup> feb 2022.

Prasanna Kumar guttula