

NAGENDRA PRASAD G M

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PROFILE SUMMARY

- Overall **3.7 years** of experience in the IT industry, well-versed in waterfall and agile methodologies. Over the period, I provided solutions in Cloud/DevOps areas. I've held responsible positions in a number of projects specializing in IT services as a production support associate, Build and Release engineer and Cloud operations engineer.
- Providing support to the technical escalation from the team and Coordinate service calls and requests with team members where necessary.
- Implementation of CI/CD Pipeline Using Jenkins, Docker, Git, Maven, Chef, Terraform in AWS Cloud.
- Experience In Building CI/CD Pipeline using Jenkins.
- Experience in working on source control tools like GIT, GitHub.
- Expertise in using build tools like MAVEN for the building of deployable artifacts such as war & jar from source code.
- Experienced in working on DevOps operations process and tools area (unit test automation, Build & Release automation, Environment, Service, Incident and Change Management).
- Creating and configure plans for every application in Jenkins.
- Automation of build and deployment process by configuring jobs in Jenkins for each application.
- Dockerized the Applications to reduce the cost and easy maintenance.
- Manage and configure AWS services as per the business needs (ELB, SNS, EC2, Route53, S3, RDS, CloudWatch, IAM, VPC)
- Created Docker file to build the images for different environments.

- Version control and source code management using GIT, GITHUB.
- Configured Jenkins Nodes to build jobs in order to distribute the load on Jenkins master and achieved parallel builds.
- Creating and Managing Repository and Branches.
- WAR files Build and Deployment. Restart server once the deployment is completed.
- Developing shell scripting for deployments in to servers.
- Implementing continuous integration (CI) using Jenkins
- Creating Jobs in Jenkins. Running the jobs as per build calendar.
- Sending automatic emails through Jenkins if the job fails by installing extended plugins.
- If any Plug-in are required configuring the Plug-ins to Jenkins.
- Administration of Continuous Integration tool like Jenkins.

PROFESSIONAL EXPERIENCE:

- Working as a Software Engineer in **Tech Mahindra** , Bangalore from Nov'2018 To Till date.

EDUCATIONAL QUALIFICATION

- Bachelor of Technology(**B.Tech**) from Madanapalle Institute OF Technology and Science, JNTU Anantapur 2018.

Projects Undertaken:

Project #2 : **Nationwide Group**
Duration : May'2020 To Till Date
Team Size : 06
Role : DevOps Engineer
Cloud : AWS

Roles and Responsibilities:

- ❖ Created IAM policies for delegated administration within AWS and Configure IAM Users/Roles/Policies to grant fine-grained access to AWS resources to users.
- ❖ Configured and managed Elastic Load Balancing (ELB), to avoid single point of failure of applications, thus providing high availability and network load balancing.
- ❖ Designing and implementing Continuous Integration process using Jenkins tool in close coordination with development and other affected teams
- ❖ Creating jobs using Jenkins. Manage installations of node, deployment configuration, and administration, backup. etc.,
- ❖ Design AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates
- ❖ Coordinating/assisting developers with establishing and applying appropriate branching, labeling /naming conventions using GIT source control.
- ❖ Configured AWS Multi Factor Authentication in IAM to implement 2 step authentication of user's access using Google Authenticator and AWS Virtual MFA.
- ❖ Included security groups , network ACLs , Internet Gateways , and Elastic IP's to ensure a safe area for organization in AWS public cloud.
- ❖ Built S3 buckets and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup on AWS.
- ❖ Work with other teams to help develop the Chef infrastructure as per various requirements including security and compliance of managed servers.
- ❖ Built a VPC , established the site-to- site VPN connection between Data Center and AWS.
- ❖ Help with the creation of dev standards for Chef module development including best practices for version control (git).

- ❖ Worked on JIRA for defect/issues logging & tracking and documented all my work using CONFLUENCE.
- ❖ Integrated services like GitHub , AWS Code Pipeline , Jenkins and AWS Elastic Beanstalk to create a deployment pipeline.
- ❖ Amazon IAM service enabled to grant permissions and resources to users. Managed roles and permissions of users with the help of AWS IAM.
- ❖ Deployed Chef, Chef dashboard for configuration management to existing infrastructure.
- ❖ Initiating alarms in CloudWatch service for monitoring the server's performance, CPU Utilization, disk usage etc. to take recommended actions for better performance.
- ❖ Resolving issues in the Dev, QA and UAT environments.
- ❖ Experienced working in AWS Cloud Computing platform and many dimensions of scalability including EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto-scaling, Cloud Watch, Security Groups.

Project # 1 : **American Express**
Duration : Nov'2018 To April' 2020
Team Size : 10
Role : DevOps Engineer
Cloud : AWS

Roles and Responsibilities:

- ❖ Involved in designing and developing Amazon EC2, Amazon S3, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, and other services of the AWS infrastructure.
- ❖ Running build jobs and integration tests on Jenkins Master/Slave configuration.
- ❖ Managed Servers on the Amazon Web Services (AWS) platform instances using chef configuration management.
- ❖ Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using Git.
- ❖ Branching, Merging, Release Activities on Version Control Tool GIT. Used GitHub as version control to store source code and implemented Git for branching and merging operations for Java Source Code.
- ❖ Designed, built and coordinate an automated build & release CI/CD process using Gitlab, Jenkins and Chef on hybrid IT infrastructure.
- ❖ Conduct systems design, feasibility and cost studies and recommend cost-effective cloud solutions such as Amazon Web Services (AWS).
- ❖ Responsible for monitoring the AWS resources using Cloud Watch .
- ❖ Created AWS Multi-Factor Authentication (MFA) for instance RDP/SSH logon, worked with teams to lockdown security groups.
- ❖ Involved in complete SDLC life cycle - Designing, Coding, Testing, Debugging and Production Support.

Place:

(Nagendra Prasad G M)