

N.P Bala Harish

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SUMMARY OF QUALIFICATIONS

- **Certified AWS Solution Architect – Associate**
- 3 years of IT work experience as DevOps Engineer in automation, continuous deployment, continuous integration, releasing of code from one to another environment using **Amazon Web Services (AWS)**
- Vast experience in working with CI/CD pipeline implementation using DevOps tools like Jenkins, Docker, Kubernetes and Amazon Web Services like EC2, S3, IAM etc.
- Proficient in AWS platform specializing in engineering, scaling and designing solutions architecture.

TECHNICAL SKILLS

- **Cloud Technologies:** AWS - EC2, S3, IAM, RDS, Auto Scaling, Load Balancers, Cloud-front
CloudSQL, IAM, Cloud Storage, LoadBalancer
- **Containerization:** Docker, Kubernetes
- **Automation Tools:** Ansible, Terraform
- **CI/CD Tools:** Jenkins
- **Monitoring Tools:** Cloud Watch, Stack driver
- **Version Control Systems:** GIT, Bitbucket
- **Database Systems:** MySQL, Oracle. Postgres
- **Scripting:** Shell Scripts, Groovy Scripts
- **Software Applications:** MS Word, MS Excel, MS PowerPoint
- **Methodologies:** DevOps Methodology with Continuous Availability, Continuous Deployment Pipelines

EDUCATION

Bachelor of Technology, Mechanical Engineering

- Jawaharlal Nehru institute of technology kakinada, India

RELATED WORK EXPERIENCE

Client: Castability, Corelis, LICHFL, Toyota – APV, LIC-Builder

Technologies: AWS, GCP, EC2, S3, IAM, Auto Scaling, Docker, Kubernetes, Slack, Load Balancers, LINUX, GIT, Bit Bucket, MIG, Storage Bucket.

- Using Jenkins as a continuous integration tool for automation of daily process
- Installing, configuring and administering Jenkins Continuous Integration Tool and Kubernetes platform.
- Deploying highly available and secure web applications by using autoscaling groups and load balancers and well versed with configuring jobs and building triggers in Jenkins, continuous integration and continuous deployment tool.
- Configuring and Maintaining user accounts for teams using IAM and assign roles to them to access resources like EC2, RDS, S3
- Responsible for installing Jenkins on the server using AWS EC2 instance
- Configured Jenkins using the Slack plugin to notify the team about the build and deploy job status with the appropriate information.
- Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.

- Designed EC2 instance architecture to meet high availability application architecture and security parameters
- Created S3 buckets and managed policies and utilized S3 bucket and glacier for storage and backup on AWS
- Implementing Canary Deployments Blue/Green in production
- Running **unit tests** and code coverage (**SonarQube**) in Jenkins pipeline
- Provided on-going support to the application based on DevOps methodology
- Specialized in DevOps Support, 24/7 monitoring of Application and Infrastructure and efficient handling of Incident Management within SLAs.

DevOps Engineer

Mirabel technologies Pvt Ltd, India.

Client: Teletext holidays, Entuze

Technologies: AWS, GCP, EC2, S3, IAM, Auto Scaling, Slack, Load Balancers, LINUX, GIT, MIG, Storage Bucket

- Managing Bitbucket repositories and permissions, including branching and tagging.
- Setting up cloud monitoring and alerting stack using AWS Cloud watch and proper incident management.
- Creating/ Managing storage Buckets like S3 for log Backup, Upload videos, images and files.
- Deploying highly available and secure web applications by using auto scaling groups and load balancers and well versed with configuring jobs and building triggers in Jenkins, continuous integration and continuous deployment tool.
- Responsible for installing Jenkins on the server using AWS EC2 instance
- Configuring and Maintaining user accounts for teams using IAM and assign roles to them to access resources like EC2, RDS, S3
- Running **unit tests** and code coverage (**SonarQube**) in Jenkins pipeline
- Running cron jobs for email Smtip on Database transactions

SOLUTIONS ARCHITECT

Worked as an AWS Solutions Architect in team where I was expected to build and maintain infrastructure that could store, process & manage the huge amount of data collected from various sources.

Collaborated with various team & management to understand the requirement & design the complete system Experience in guiding the classification, plan, implementation, growth, adoption and compliance to enterprise architecture strategies, processes and standards

Designed and developed highly scalable and available systems

Worked with services like EC2, Lambda, SES, SNS, VPC, Cloud Front, Cloud Formation etc,

Demonstrated expertise in creating architecture blueprints and detailed documentation. Created bill of materials, including required Cloud Services (such as EC2, S3 etc.) and tools Involved in the end to end deployment process

Aws Setup & Architecture

- Evaluate 5+ proposals daily and recommended the best technique solutions to migrate the application to aws
- Create the architecture and create cloud formation to facilitate deployment

Cloud management and troubleshooting

- Deploy ELB and configure HTTPS Certificates & manage scalable highly available system on aws
- Setup VPC environment and design backup storage on client requirements
- Compiled with established software development life cycle method to deliver effective solutions

User authentication and access

- Administered single sign on LDAP authentication for users by employing Aws AD connector
- Employed IAM to create and control aws users-groups access to Aws services and resources

Stakeholder Management

- Collaborated with development resources from delivery partners to develop and test integrated solutions
- Coordinated with team of developers to initiate advance procedures, triggers, functions, indexes & exception handling.
- Liaised with the QA team to optimize queries by creating various clustered and non-clustered indexes

