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**DANDUPATI SWAMY  
B.Tech in Civil Engineering**

**AWS Certified Solutions Architect – Associate**

**PH: 8520855289**

**Mail Id: dandupatiswamy95@gmail.com**

***Professional Summary***

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* DevOps Engineer with 4 years of Experience in DevOps, AWS Cloud Administration.
* Proficient in developing Continuous Integration/ Deployment pipelines using Jenkins
* Knowledge of major cloud service providers, like AWS.
* Have a good understanding in Cloud Domain (IAAS and PAAS).

***Work Experience***

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**Company :**CLOBDATA TECHNO SOLUTIONS

**Designation :** Software Engineer

**Duration :**April 2018 – Till date

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***Technical Skillset***

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**DevOps Tools :** GIT, Maven, Jenkins

**Containerization :** Docker, Kubernetes

**Cloud Technologies :** AWS

**Network & Content Delivery** : VPC, Route 53, ALB

**Compute Services** : EC2, Elastic Bean Stack

**Storage Services** : S3, EBS, Snowball

**Operating Systems :** Linux, Windows

**Security :** WAF, NACL, Guard duty

**Database** : RDS

**Monitoring tool :** CloudWatch, Cloud Trail

**Professional Snapshot:**

* Expertise in CI-CD and working on AWS Cloud Environment
* Expert in Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, EFS, SNS, SES, RDS, IAM, Route 53, Auto scaling, Cloud Watch, Security Groups with an overall objective to improve the scalability, reliability, performance and availability of the cloud infrastructure. Administrates the cloud development.
* Effectively monitoring performance degree and its availability
* Expert in automating CI-CD pipelines using Jenkins.
* Proficiency in CI-CD setup. Created build jobs, set up distributed builds using Jenkins’s master/slave concepts
* Proficient in Version Controlling System such as GIT
* Day to day system administration of AWS production and non-production environments.
* Building and commissioning of new production and non-production systems as requirements arise.
* Implemented a CICD pipeline with Jenkins and Docker. Whenever a new GitHub branch gets started, Jenkins integration server automatically attempts to build on new Docker container from it.
* Created Docker images from Docker files to support containerization of applications.
* Have good experience in troubleshooting AWS services.
* Utilized Cloud Watch to monitor resources such as EC2, CPU memory, Load Balancer Latency, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
* Responsible for creating monitors, alarms and notifications for EC2 hosts using cloud watch.
* Learn the metrics and monitor the overall usage of several AWS resources with the help of Amazon CloudWatch
* Maintain the backups of these resources via regular on-premises backups with the help of different AWS services
* Efficiently monitor the development and billing of several strategies for cost optimization
* Administrating and establishing the architecture of multi-tier systems
* Worked on Production Server’s on Amazon Cloud (EC2, EBS, RDS, S3, Route 53).
* Designing & building client infrastructure on AWS environment with cost optimized solutions; developing and implementing reusable components
* Experience in creating and maintaining the Virtual machines using the VMware ESXI and involved in troubleshooting.
* Setting up EC2s, Installing & Configuring them with required software
* Elastic Block Storage (EBS) and S3 buckets & enabling versioning & life cycle management policies on S3 buckets
* Managing EC2 services like attaching volumes, configuring security groups, monitoring EC2 instance metrics like CPU Utilization, disk read/write operation and network
* High availability, scalability and security of applications
* Supervising designing, documentation, implementation, and maintenance of several applications that were a part of the product suites, including the main server application
* Good knowledge on Tomcat application server.
* Experience in setting up the MySQL & PostgreSQL database servers on the AWS and hosting applications on AWS.
* Documenting functions and changes to new or modified modules, activities or results; ensuring documentation of applications according to standards
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/Ubuntu/RHEL) and configuring launched instances with respect to specific applications
* Increasing EBS backed volume storage capacity when the root volume is full using AWS EBS Volume feature.
* Created AWS Route53 to route traffic between different regions.
* Created users a group using IAM an assigned individual policy to each group.
* Good understanding of ELB. security groups, firewall and Route 53.
* Strong knowledge on security policies, good understanding on IAM roles, policies etc.

**Project 1:**

**Company :** CLOBDATA TECHNO SOLUTIONS

**Client :** BigC Mobiles, FinWell

**Environment :** AWS Cloud, Devops

**Designation :** DevOps Engineer

**Project Duration :** Nov 2020 – Till date

**Roles and Responsibilities:**

• DevOps Workflow representing all stages starting from SCM Commit Build, Integration Build and Bundle, Publish with Lead Approvals and Deployment of Artifacts.

• Create and configure Jenkins’s server.

• Implemented Gitlab within local network to maintain companies own repository.

• Configured Jira & Confluence within organization network.

• Involved in source control management with GitHub and GitLab Enterprise level repositories. Regular activities include configure user’s access levels, monitor logs, identifying merge conflicts and managing master repository.

• Deployed dotnet core and angular application on Windows and Linux environment.

• Installed and Configured Jenkins plug-ins to support the project specific task

• Design & Deploy and Management of AWS infrastructure

• Technical point of contact to plan, debug and navigate the operational challenges of cloud computing.

• Optimized volumes and EC2 instances& created multi-AZ-VPC instances& Used IAM to create new accounts, roles and groups

• Created snapshots to take backups of the volumes and images to store launch configurations of the EC2 instances.

• Manage Route 53 DNS hosted zones configuring aliases for Elastic Load Balancer applications.

• Assist in design and deployment of Workday in the Public & private Cloud

• Enabled S3 Server logs to another s3 bucket for monitoring purpose

• Automatic scripts for backup from On-premise servers to AWS S3 or AWS EC2 servers to AWS S3

• Identify and access management console maintains

• ELB and auto scaling deployment and management

**Project 2:**

**Company :** CLOBDATA TECHNO SOLUTIONS

**Client :** Lot Mobiles

**Environment :** AWS and DevOps

**Designation :** DevOps Engineer

**Project Duration :** May 2019 – Nov 2020

**Roles and Responsibilities:**

• Major focus on Configuration, SCM, Build/Release Management operations on Production and cross platform environments.

• Experienced in working on DevOps /Agile operations process and tools area (Code review, unit test automation, Build & Release automation Environment, Incident and Change Management) including various tools.

• Gathering the requirements from the clients about the existing applications to create target architecture.

**•** Used Elastic Beanstalk for deploying and scaling web applications developed within Java platform in pre-production Environment.

• Worked on GIT to maintain source code in Git and bit bucket repositories

• Acted as build and release engineer, deployed the build files using Jenkins’s pipeline. Created and Maintained pipelines.

• Expertise with CICD pipeline using Jenkins.

• Used IAM for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources.

**Project 3:**

**Company :** CLOBDATA TECHNO SOLUTIONS

Client : Dhanush Infotech

**Designation :** System Engineer

**Duration :** Apr 2018 – Apr 2019

**Roles and Responsibilities:**

* Experienced in monitoring metrics on EC2, EBS, Elastic Load Balancer, RDS USING CloudWatch.
* Experience in backup services like EBS snapshots, S3 backups and Amazon Glacier.
* Experience in security policies like Security Groups, IAM roles and Multi Factor Authentication.
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, SSL, Security Groups, RDS and IAM).
* Setup/Managing VPC, Subnets; make the connection between different zones; Blocking suspicious Ip/subnet via ACL.
* Create/Managing buckets on S3 (CLI) and bucket polices.
* Monitoring servers through Amazon CloudWatch, SNS.
* Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)

**DECLARATION:**

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned.

Place : Hyderabad (Krishna Venkat)