# Potru Suresh

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**Objective:**

To be associated with a progressive organization that gives scope to apply my Knowledge and

skills, and to be a part of a team that dynamically works towards growth of the organization.



**Professional summary:**

* Acquired 5.2 years of IT experience as a **DevOps Engineer** in the field of DevOps

Automation/AWS Cloud Migration.

* Experience in **AWS** to create, manage and configure the services like **ALB, ASG, EC2, IAM, S3, Redis, EBS, Route53, RDS, Security Groups and VPC** along with automating the **AWS** cloud deployments.
* Hands on experience in automating **CI & CD** pipeline using **Jenkins** tools.
* Expertise in creating & maintaining the infrastructure for different Environments. Proficiency with Configuration Management tools & Build management tools such as **Ansible, Maven, Git, shell script, Jenkins.**
* Experience on Automating the Build and deploy of all internal **Java**, **android** and **node**

applications of Telecom domain to various environments.

* Worked on installing/upgrading **Jenkins Master/Slave** on multiple servers and also involved in the release process and deployed applications (WAR and JAR) and UI binaries to the **Apache Tomcat server**.
* Responsible for **Dockerizing** applications.
* Handson experience in creating **Dockerfiles** and then building image and deploying it to various environments
* Experience on manifests for **kubernetes** deployments for some mission critical applications
* Created the **network for docker** containers and configured it for new containers
* **Docker installation** was taken care in various linux servers to support the Docker Swarm
* Worked on ticketing tool like **Jira** and automated the various flows via shell scripts
* Good knowledge in checking the code quality and application security using the

**Sonarqube** for applications.

* Created Mysql database and created tables to insert the data from the Jenkins pipeline



**Technical Skills:**

|  |  |
| --- | --- |
| **Version Control System tool** | GIT |
| **Configuration Management** | Ansible |
| **Scripting** | Shell Scripting, Groovy Scripting |
| **Build Tools** | Maven, Ant, Gradle |
| **Database** | MySQL |
| **Continuous Integration Tools** | Jenkins |
| **Cloud Environment** | AWS (EC2, IAM , ASG, ALB, ROUTE53, RDS,S3,  EBS, VPC, Elastic cache etc.) |
| **Container and orchestration Tool** | Docker, Kubernetes |



**Professional Experience:**

Working as a Devops **Engineer** in **Infosys.**



**Project Summary: Project#1**

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| --- | --- |
| **Project Name** | **LawSchoolPortal** |
| **Client** | **Infosys (LexisNexis)** |
| **Role** | **AWS Devops Engineer** |
| **Duration** | **August 2020 to till date** |

# Roles and Responsibilities:

* Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management.
* Configured & deployed applications on Amazon Web Services (AWS) for a multitude of applications utilizing the AWS stack, cloud formation.
* Implemented infrastructure as code using Terraform, provisioning and managing cloud resources on AWS.
* Working knowledge of configuration management tools like Ansible.
* Create, manage, and delete users and groups as per the request using Amazon Identity and Access Management.
* Creating snapshots and Amazon machine images (AMIs) of the instances for backup and creating clone instances.
* Creating fully automated CI build and deployment infrastructure and processes for multiple project.
* Automated infrastructure provisioning and configuration management using Ansible, reducing deployment time by 50% and ensuring consistency across multiple environments.
* Works on Amazon RDS to manage, create snapshots, and automate backup of database.
* Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management.
* Setting up Blue & Green pipeline configuration through Jenkins.
* Automation of new branch creation, Merge approval and approvers setup, merge request creation and version increment in build scripts at start of every program increment
* Define and implement monitoring and alerting.
* Involved in developing the ruby scripts for Ansible and great ideas to automate system deployment to scale infrastructure.
* Strong background in cloud computing, particularly AWS, including provisioning, configuration, and scaling of infrastructure components such as EC2 instances, VPCs, S3 buckets, and load balancers. Configuration Jenkins Jobs for Provisioning and build & deploy the applications.
* Worked with CM tools such as Ansible for deploying, managing & configuring on a server machine.

# Project#2

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| --- | --- |
| **Project Name** | **BP** |
| **Role** | **DevOps/AWS Engineer** |
| **Duration** | January 2020 to till date |

# Roles and Responsibilities:

* Experience in defining documenting and maintaining code deployment.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub and AWS AMI’s.
* [Automated AWS components like EC2 instances, Security groups, ELB, RDS, IAM through AWS Cloud information templates.](https://www.hireitpeople.com/)
* Experience in designing and deploying AWS Solutions using EC2, S3, and EBS, Elastic Load balancer (ELB), auto-scaling groups.
* [Created monitors, alarms and notifications for EC2 hosts using CloudWatch.](https://www.hireitpeople.com/)
* Created Security Groups, configuring Inbound/Outbound rules, creating and importing Key Pairs.
* Manage the integration of new software projects and products into the build environment.
* Involved in identifying build errors in the system and identify the build issue and escalate it to the concerned team after careful analysis. Work and coordinate with them to get the x in the release.
* Implemented VPC peering connection to access the entire CIDR block of the peer VPC without any restriction.
* Worked on Amazon instances by taking AMIs and performing administration and monitoring of Amazon instances using Amazon Cloud Watch.
* Performed S3 buckets creation, policies and on the IAM role based polices and customizing the JSON template. Versioning enabling and data management in S3 buckets

**Roles and Responsibilities:**

* Involved in the designing phase of AWS architecture with the high level architects.
* Preparing the Environment and provisioning the environments as per the requested application team.
* Initiating Jenkins builds and Deployments for the application as per the release scheduled.
* Created the Jenkins jobs for launching the AWS resources via Ansible and have written the CFT templates to create the resources
* Maintained the security groups and IAM role access so that our AWS servers can talk to servers present in other Networks/Domains
* Worked on problems arising from Build and environment provision issues.
* Expertise in writing Ansible playbooks and created various playbooks to do the auto install of many software’s in the EC2 servers like Maven, Gitlab, Java, node , etc.
* Involved in the security review for the servers and application for DAST scan and gave remedies to be set in HEADERS of the apache web server.
* Involved in AMI rehydration for all the AWS servers for this project.
* Digi Certs were requested from the team and imported to ACM and then the DNS mapping was done to all the servers
* Mapping of Certs to Route53 then aliasing it to auto scaling group and then routing to load balancer was key function I have completed
* Mysql Database creation in RDS was done with continuous creation of snapshots
* Created the Dockerfiles alomg with the docker compose files for few applications
* Jfrog artifactory was used to pushed the vcreated images with tags and then deployed into the docker swarm cluster
* Applications with high maturity level having the kubernetes clusters were given the manifest files based on their requirement
* Kubernetes cluster management was taken care along with maintaining the POD
* Docker networking was done on the new networks created inside the VM with the subnet and the new POD’s and Containers were mapped to the new network

# Project#3

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| **Project Name** | **\*\*\*\*\*\*\*\*\*\*** |
| **Client** | **\*\*\*\*\*\*\*\*\*\*** |
| **Role** | **DevOps/Monitoring engineer** |

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| --- | --- |
| **Duration** | January 2020 to till Date |
| **Environment** | AWS, EC2, Auto scaling, IAM, ALB, ROUTE53,ALB, AMI,  RDS, VPC, S3,Maven, GIT, Jenkins, Tomcat, Linux, ,Ansible, Aws, Linux, Git, Jenkins |

**Roles and Responsibilities:**

* I created new relic alerts, dashboards and metrics for Application performance monitoring using the new relic query language.
* SRE/SOE was introduced for making the applications more reliable
* SLA, SLI, SLOs were defined with the help of dev team and then configured in the SRE portal.
* Elastic search, Logstash and Kibana was installed in the AWS server and daily logs were scheduled to be sent from production server to the target server
* The shell script was written to delete the old logs of more than a week to save the file system size.
* Sentry monitoring was introduced and I integrated for couple of dev modules so that logs can be sent to the sentry dashboard and then gave KT to dev team
* New relic APM and infra agents were installed and enabled in the AWS servers through the java option command
* Continuous monitoring of the servers was done through shell scripts and new relic.
* Created MySQL database and integrated Grafana to show the statistical data onto the dashboard which reduced the manual efforts of both testing and dev team to search for kit release versions and Jira ids
* Shell scripts were written to check the health of the server such as CPU and Memory utilization and based on the threshold the email was sent to the team

# Project#4

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| **Project Name** | **\*\*\*\*\*\*\*\*\*\*** |
| **Client** | **Infosys (Toyota)** |
| **Role** | **DevOps Engineer** |
| **Duration** | May 2016 to June 2019 |
| **Environment** | AWS, Jenkins, Maven, Sonarqube, Archiva, Bit bucket, Jira, Docker |

**Roles and Responsibilities:**

* Worked as DevOps engineer in developing the infrastructure for Toyota Motor Sales which involved the automation of entire project which is based on data sharing between dealer and Toyota management system.
* The Automation started with creating the environment in AWS with Cloud formation scripts and having the ec2 instance where we hosted the Docker and inside the Docker container we had the Jenkins, Sonarqube, Archiva getting hosted.
* The pipeline was configured for 17 interfaces of TMS and then integrated with the above tools and after the successful build of each interface the final stage was deploying it in AWS servers.
* The administrative part of Jenkins was taken care and based on roles of users in project the Username and passwords were created.
* The admin part of AWS was also taken care wherein the security groups of services and I AM roles were managed depending on the permission to be given to users.
* Involved in creating and managing the infra in AWS (VPC, EC2, ECS, Dynamo DB, IAM Roles) and hosted the tools like Docker, Jenkins etc.
* Involved in writing Docker files, creating containers, Images and pushing to it to Docker hub.
* Involved in creating and managing the CICD pipeline for 17 interfaces. Involved in daily stand-up meetings as a part of Agile Methodology.



**Education Qualification:**

* **MBA** in Information Technology from Narsee Monjee Institute of Management Studies (Now Attending and Date Acquired on June 2022).
* **Bachelor of Engineering** in Electrical and Electronics from Andhra University passed out in May 2016.
* Intermediate in MPC from Narayana Junior college passed out in May 2012
* Tenth completed from Kendriya Vidyalaya Naval Armed Depot school in 2010



**Trainings and Certification:**

* Red Hat Certified Linux System Administrator(**RHCSA**) by RED HAT on July 2021 with certification-id 210-069-662
* Red Hat Certified Ansible Administrator(**RHCA**) issued by RED HAT on November 2019 with certification id - 190-270-330
* Attended Safe Agile PI planning course and received the certificate



**Honors and Awards:**

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| --- | --- | --- | --- |
| **Award Name** | **Date Issued** | **Issued by** | **Comments** |
| **Spotlight Cash Award** | **\*\*\*\*\*\*\*\*\*\*** | **\*\*\*\*\*\*\*\*\*\*** | **\*\*\*\*\*\*\*\*\*\*** |
| **Recognition Award** | **\*\*\*\*\*\*\*\*\*\*** | **\*\*\*\*\*\*\*\*\*\*** | **\*\*\*\*\*\*\*\*\*\*** |
| **Simple Thanks Award** | **\*\*\*\*\*\*\*\*\*\*** | **\*\*\*\*\*\*\*\*\*\*** | **\*\*\*\*\*\*\*\*\*\*** |
| **Simple Thanks Award** | **\*\*\*\*\*\*\*\*\*\*** | **\*\*\*\*\*\*\*\*\*\*** | **\*\*\*\*\*\*\*\*\*\*** |
| **Simple Thanks Award** | **\*\*\*\*\*\*\*\*\*\*** | **\*\*\*\*\*\*\*\*\*\*** | **\*\*\*\*\*\*\*\*\*\*** |



**Personal Skills:**

* Have **willingness to learn new things** and I am a self-motivated person.
* Have Good interpersonal skills and **good communication skills**.
* I am easily adaptable to new environments and I have commitment to team work.
* Have **good leadership qualities** and like to lead my juniors to the success path
* Have **good presentation skills** and have given many demos on various tools and automation work to higher level management.
* Have excellent problem solving, time management skills, **ability to work independently**

or as part of a team.



**Hobbies & Interest:**

* I like to **play badminton** and have participated in Intra DC tournament in Infosys
* I like to **organize events with innovative ideas** which I did in Verizon every month in the pandemic from March 2020 to December 2020 to bring the WFH culture a happy one and received the laurels from the Associate Director level.
* I like to **host the event** which I did in Verizon in Fresh Face DC event in February 2020 which comprised of Talent and fashion show.
* I like to **take a lead** and implement the solution to bring the value to the work environment



**Personal Profile:**

Father Name : S Suryanarayana

Date of Birth : **\*\*\*\*\*\*\*\*\*\***

Pan card No : **\*\*\*\*\*\*\*\*\*\***

Nationality : Indian

Languages Known : English, Hindi, and Telugu Address : **\*\*\*\*\*\*\*\*\*\***



**Declaration:**

I hereby assure that the above information is true to my knowledge and I will prove to be worthy of your confidence and satisfaction.

Place: Hyderabad Signature

Date: **\*\*\*\*\*\*\*\*\*\*** Praveen