# 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 6.2 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, Git, shell script, Jenkins.**
* Experience on Automating the Build and deploy of all internal **Java**, **ruby** and **node**

applications 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 server.
* Responsible for **Dockerizing** applications.
* Handson experience in creating **Docker files** 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:**

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| **Version Control System tool** | GIT |
| **Configuration Management** | Ansible |
| **Scripting** | Shell Scripting, Groovy Scripting |
| **Database** | MySQL, Postgres |
| **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 |
| **IAC Tool** | Terraform |



**Professional Experience:**

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



**Project Summary:**

**Project#1**

**Project#1**

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| **Project Name** | **LawSchoolPortal** |
| **Client** | **Infosys (LexisNexis)** |
| **Role** | **AWS Devops Engineer** |
| **Duration** | **Sep 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.
* Initiating Jenkins builds and Deployments for the application as per the release scheduled
* 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** | **Oct 2017 to Sep 2020** |

# 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 fix 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.
* Continuous monitoring of the servers was done through shell scripts and new relic.
* 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.

# Project#3

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| **Project Name** | **AMD (Experis IT)** |
| **Role** | **Linux/DevOps Engineer** |
| **Duration** | **Oct 2016 to 2017** |

# Roles and Responsibilities: