**Prathima Rayala**

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**Professional Summary:**

* DevOps Engineer with a strong Linux background and 11+ years of experience designing, implementing, and managing cutting-edge deployment architecture/automation.
* Deep knowledge of CI (Continuous Integration) and CD (Continuous Deployment) methodologies with **Jenkins**
* Hands on experience in **AWS Cloud Services**.
* Build Management – Experience in tools such as **Jenkins** for build management
* Hands on experience with Configuration Management **Tool Ansible.**
* Hands on experience in **Oracle and MySQL Database**
* Hands on experience in setting up **Auto Scaling Groups for EC2**.
* Hands on experience in Configuration of **ELB (Elastic Load Balancer).**
* Managing Continuous Integration and Continuous Delivery (CI/CD)
* Hands on experience in infrastructure provisioning using Terraform.
* Having good Experience in writing **shell** scripting.
* Hands on experience on Adobe Launch
* Hands on experience in Build Automation using Jenkins through Middleware servers.
* Monitoring the Application servers and Web servers.
* Involved in Branching, Tagging and Merging of code delivery at required releases.
* Automation of the compilation, continuous integration, testing, packaging, and distribution of software.
* Knowledge on Configuration of tomcat Clusters, to achieve Load-balancing, High availability and fail-over solutions.
* Handling all the aspects of administration tasks such as Installation, Configuration, Troubleshooting, Load Balancing, Clustering and Deploying Applications.
* Troubleshooting deployment issues, performance issues in development and production environments.
* Configured the slaves in Jenkins and distributed the builds to the slave nodes.
* Self-motivated Team Player with Fast Learning Curve along with strong analytical, problem solving, innovation, organizational communication & interpersonal skills.

**Software Skills**

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| **Configuration management** | Ansible |
| **Infrastructure provisioning** | Terraform |
| **Version Control** | Git, Bitbucket |
| **CI Tools** | Jenkins |
| **Monitoring** | AWS Cloud watch, DynaTrace. |
| **Log Monitoring** | Elastic Search, Grafana, Splunk, Sumologic. |
| **Operating Systems** | Windows, RHEL, HP Unix, IBM AIX |
| **Cloud** | Amazon Web Services |
| **Database** | MySQL, Oracle 10g/11i |
| **Scripting languages** | Bash PowerShell, Angular JS |
| **Web/Application servers** | Apache Tomcat, WAS (WebSphere Application Server) |
| **Analytics** | TeaLeaf, GlassBox, Adobe Launch |

**WORK EXPERIENCE:**

**Company**: Cognizant Technology Solutions January 2019 to December 2021

**DevOps Engineer**

**Roles and Responsibilities:**

* Experience in setting up the cloud infrastructure using AWS cloud.
* Creating VPC, Subnets, route tables, NAT Gateways, Internet Gateways in AWS cloud.
* Configuring DEV, QA and UAT environments for every sprint using Ansible.
* Involved in setting up the private cloud EC2 and launched the instances to the cloud.
* Installed and configured GIT repository in cloud such as GitHub and bitbucket
* Interacted with supporting teams to understand client deployment requests.
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.
* Coordinate with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts.
* Worked closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful.
* Creating launch templates, autoscaling groups, autoscaling policies in AWS for various micro services application servers.
* Implemented CI/CD pipelines using Jenkins.
* Configured the slaves in Jenkins and distributed the builds to the slave nodes.
* Troubleshoot and resolve issues related to application deployment and operations
* Automated the deployments to DEV and QA Environments by picking up builds from Jenkins using Ansible.
* Deployed WAR, JAR applications in clustered tomcat for System Test and Pre-Production, Production environments.
* Scheduled, deployed and managed container replicas onto a node cluster using Kubernetes.
* Configured and integrated GIT into the continuous integration (CI) environment along with Jenkins and written scripts to containerize using Ansible with Docker and orchestrate it using Kubernetes.
* Implemented a Unix script which captures the critical JVM logs (Thread, Heap, CPU, Memory etc.) for the application which will help in identifying the problem scenarios ahead of time. This script has replaced the HP Diagnostic tool which saved the licenses of the tool for the project.
* Implemented a Unix script which captures the statistics of every process like Memory, CPU, Heap which runs on DC/OS
* Implemented a Unix script to monitor the health of Web and App URL's using Wget. This will check whether the app server and the web server are listening to the http port of that particular instance. This helps in identifying if any traffic is not being routed to that Instance or if any application goes down.
* Implemented a Unix script which monitors the server health whether it is reachable or not and sends an alert to the respective team immediately. This helps the application team to proactively monitor the applications and server’s health. Also implemented an UNIX script to check the diskspace continuously and alert.
* Implemented a Unix script for continuously running the jobs through server for every 1 minute without the intervention of TWS.
* Created multiple Sumologic, Grafana and Dynatrace (synthetic and AppMon) dashboards which serves as a one stop solution for monitoring the application statistics.
* Setting up rules in Adobe Launch for analytics
* Captured the user experience through IBM Tea Leaf, GlassBox and Adobe Analytics whenever there is install going into production which helps in analyzing the issues and proactive monitoring.

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**Company**: EdgeVerve Limited August 2015 to November 2018

**Senior Techno Functional Consultant**

**Roles and Responsibilities:**

* Experienced in creating various dashboards, metrics, alarms and notifications for servers using Sumologic, OneAgent
* Hands-on experience with databases (Oracle 10g/11i) creating users, performing dump/restore and taking automated snapshots.
* Experience working with version control systems like Subversion, GIT and used Source code management tools GitHub, GitLab, Bitbucket including command line applications.
* Knowledge of Software Development Life Cycle Methodologies Waterfall, and Agile.
* Experienced in multi platforms like UNIX, RHEL and Windows /7/8/10 supporting production, test, and development environments.
* Strong work ethic with good Interpersonal and Organizational skills.
* Ability to work under minimal supervision and guidance
* Created and maintained various DevOps related tools for the team such as provisioning scripts, deployment tools, and development and staging environments.
* Configure and maintain codebase to support the build and deployment of code on server.
* Develop and enhance current tool to suit ongoing need to support the build and configuration of releases of all product team.
* Developing the utility scripts to effectively reduce the time and manual effort.
* Responsible for setting up the environment for new developers on their machines.
* Implementation of various processes around development teams such as branching and deployment strategies.
* Implementation of the continuous integration pipeline using Jenkins.
* Automated processes to improve workflows and streamline operations.
* Documented processes to analyze performance and develop improvements.
* Led a team of 3 full time employees and 1 contractor
* Implemented regular alerting and monitoring of application errors and performance which reduced application down-time by 70% through proactive monitoring and quicker response times

**Company**: Infosys Limited,Hyderabad March 2010 to July 2015

**Technical Consultant**

**Roles and Responsibilities:**

* Responsible for checking server health and performance e.g. file systems, uptime, running processes.
* Responsible for performing weekly performance report and dashboards.
* Responsible to build and decommission of the servers.
* Responsible for performing weekly file-system checklist of different production node servers.
* Escalating and logging case in hardware issues to vendor (HP).
* 24X7 Onsite Support to ensure service level agreements are met
* Working on ServiceNow incidents and providing resolution
* Responsible to build and decommission of Linux servers.
* Servers patching and vulnerability remediation.
* Monitoring all the Linux and Windows Servers
* Performing daily activities tasks in Linux environments.
* Stopping/starting/killing Linux background processes and other applications.
* Responsible to take the OS backup for physical servers and restoration in case of server crash.
* Sending performance reports on daily and weekly and monthly basis.
* Resolving IT Group tickets based on the priority.
* Responsible to writing PowerShell/bash scripting for automation.
* Creating the New Virtual Machines using Templates & Upgrading VM tools Virtual machines. Troubleshooting VM’s Performance issues.

**Education:**

Post Graduate Diploma in Computer Applications – India – September 2019

Bachelors in Technology – India – May 2009