**PREETHI RATNALA Work: https://github.com/PreethiRatnala**

**Mobile: +91 8500879367 WWW: https://preethiratnala.github.io/Portfolio/**

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**Profile Summary:**

Exceptional DevOps Engineer with 3+ years of experience designing and implementing automated deployment pipelines and configuration management systems. Collaborated with development teams to implement security measures and performance-tuning procedures, resulting in a 30% reduction in security incidents and a 25% improvement in system performance. Currently expanding my expertise in MLOps, focusing on deploying machine learning models successfully into production environments to further enhance automation and system reliability.

**Professional Summary**:

* Experienced as a Build and Release Engineer in automating, building, deploying, and releasing of code from one environment to multiple environments.
* Experienced with CI (**Continuous Integration**) and CD (**Continuous Deployment**) methodologies using **Jenkins.**
* Good Working Knowledge on Source Code Management (**Version control system**) and tools like **GIT.**
* In-depth understanding of the principles and best practices of Software Configuration Management processes (**Compiling, Packaging, Deploying and Application configurations**).
* Highly experienced in Infrastructure **(Terraform)** & Configuration Management (**Ansible**).
* Proficient in AWS Cloud platform and its features which includes **EC2, S3, IAM, EBS, VPC, Subnets, Auto scaling, Cloud Formation, Security Groups** and **Cloud Watch.**
* Experienced in branching, tagging, and maintaining the version across multiple environments using SCM tools (**GIT**) on **Linux** and **Windows** and **MAC** platforms.
* Configuring **Docker Containers** and **Docker** **Files** for different environment and troubleshooting the various issues related to Docker Containers.
* Knowledge of **Container Management** and **Orchestration Tool** (**Kubernetes**).
* Involved with Dev/Test Teams during build schedule, execute, troubleshoot build failures during release managed environments (**DEV, QA, UAT and PROD**).
* In-depth understanding of **Software Development Life Cycle** (SDLC), **Agile Methodology.**
* Created detailed communication protocols that streamlined information sharing within the team; implemented a centralized document repository now accessed by over 15 employees, fostering collaboration, and reducing response times.
* Good Knowledge on **Python, MySQL, MongoDB, Oracle.**

**Education:**

 **Master of Science in Statistics** from Acharya Nagarjuna University in **2019**.

**Technical Skills:**

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| **Skills** | **Details** |
| **Operating Systems** | Linux (CentOS), Windows, Android, Mac |
| **Infra & Configuration Management** | Ansible, Terraform |
| **Databases** | Oracle, MySQL |
| **Build Tool** | npm, pip |
| **Continuous Integration** | Jenkins (Build, Plugins, Pipelines) |
| **Version Control Tools** | Git (GitHub) |
| **Web Servers** | Apache, Tomcat |
| **Languages/Scripts** | Python, Linux Shell, yaml, JSON |
| **Cloud Platform** | AWS  |
| **AWS Services** | * EC2, S3, IAM, EBS, VPC, Subnets, Auto scaling, Cloud Formation, Security Groups and NACL, Cloud Watch, SNS
 |
| **Containerization** | Docker, Kubernetes |
| **Monitoring Tool** | Grafana, Aws Cloud watch |
| **Code analysis** | SonarQube |

**Professional Experience**:

 Currently working as an **Associate Consultant** in Capgemini, Hyderabad from **Nov 2021** to **Till Date**.

**Project: AS Watson\_Support\_SLA**

**Nov 2021 – Till Date**

**Role : Automation Developer**

**Responsibilities:**

* Deployed Prometheus and Grafana for monitoring and alerting, improving system reliability and response times.
* Demonstrated strong troubleshooting skills by quickly identifying and resolving server and network issues.
* Corresponded with development teams to ensure applications were designed for scalability and reliability, resulting in a 30% increase in customer satisfaction and a 25% reduction in support tickets.
* Created and maintained system documentation, ensuring 100% compliance with industry standards, and improving overall system reliability.
* Designed and implemented Grafana dashboards for real-time data visualization, empowering teams with actionable insights and elevating monitoring efficiency, now utilized by 20 analysts across departments.
* Executed and monitored batch jobs, ensuring 100% timely completion and minimal downtime in production environments, using Redwood Run My Jobs (RMJ) tool.
* Automated Siebel component restarts and bulk log deletions, significantly reducing manual effort by 20%, using advanced Shell Scripting
* Orchestrated AWS Launch templates, reducing EC2 provisioning time by 30% and configured Jenkins CI/CD pipelines, cutting deployment time by 40%.
* Applied Kubernetes to orchestrate deployment, scaling, and management of Docker Containers
* Engineered infrastructure as code with Terraform, standardizing AWS resource management and assessed Shell scripts for routine automation tasks.

 (**Preethi R**)