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

**Mobile: +91 8500879367**

**Email: pritiratnala8@gmail.com**

**Profile Summary:**

Exceptional DevOps Engineer with 2y 9m 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.

**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.**
* Implemented and build tool such as **Maven** to automate and enhance the overall operational environment.
* In-depth understanding of the principles and best practices of Software Configuration Management processes (**Compiling, Packaging, Deploying and Application configurations**).
* Highly experienced in Infrastructure & 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 **NACL, Cloud Watch** and **SNS.**
* Extensively used build utilities like **Maven** for building of **jar, war,** and **ear** files.
* Knowledge on Elastic search databases and creating **Kibana dashboards** on **Elastic search data.**
* 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.**

**Education:**

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

**Technical Skills:**

|  |  |
| --- | --- |
| **Skills** | **Details** |
| **Operating Systems** | Linux (Ubuntu, CentOS), Windows, Android, Mac |
| **Configuration Management** | Ansible, Chef |
| **Databases** | Oracle, RDS |
| **Build Tool** | Maven |
| **Continuous Integration** | Jenkins (Build, Plugins, Pipelines) |
| **Version Control Tools** | Git (GitHub) |
| **Web Servers** | Apache, Tomcat |
| **Languages/Scripts** | Python, Linux Shell, Yaml, JSON, Power Shell |
| **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** | Nagios, Aws Cloud watch |
| **Code analysis** | SonarQube |

**Professional Experience**:

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

**Project 1 : AS Watson\_Support\_SLA**

**Nov 2021 – Till Date**

**Client : A.S. WATSON (HEALTH & BEAUTY CONTINENTAL EUROPE) BV**

**Role : DevOps/Cloud Engineer**

**Description**:

AS Watson Group (or AS Watson or ASW) is the world's largest international health and beauty retailer by number of stores, with over 16,500 stores in 28 markets, primarily in Asia and Europe.

A member of CK Hutchison Holdings, ASW operates the world's largest portfolio of retail formats, retail brands and has the largest geographical presence.

**Responsibilities:**

* 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
* Automated server configuration and application deployment using Ansible, improving efficiency, and managed Git for version control.
* Engineered infrastructure as code with Terraform, standardizing AWS resource management and assessed Shell scripts for routine automation tasks.
* 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

(**Preethi R**)