  

**VINEETHA SAMINENI**

**AWS Devops Engineer ||Cloud Devops Engineer ||Linux Administration ||**

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**Professional Summary:**

* Over **4+ years** of experience working as **Cloud/DevOps Engineer and Linux Administrator** within environments like **Linux/Unix and Windows** to provide solutions to the complex issues using **Virtualization**, **Integration** and **configuration Management** tool.
* Experience in working with **AWS CLI** to control various AWS services such as **EC2, ECS, Elastic Beanstalk, Auto Scaling, S3, Glacier, SNS, SQS, IAM, RDS, DynamoDB, Elastic Cache, Route 53, VPC, CloudFront, Direct Connect, Cloud Trail, Cloud Watch, EMR** and Amazon RedShift through **SHELL/BASH/PYTHON** scripting
* Expertise in automation tools like **Git, Subversion, Maven, Jenkins, Chef, Puppet, Ansible, Terraform, Docker, Kubernetes and Nagios.**
* Implemented and maintained central repositories and implemented Atlassian stash along with **GIT** to host **GIT** central repositories for source code across products, facilitate code reviews and log audits for security compliance
* Worked on Power Shell scripts to automate the **Azure** Cloud system creation of Resource groups, Web Applications, **Azure** Storage Blobs &Tables, firewall rules.
* Automated several processes by developing utilities in **Shell** and **Python** scripting
* Setup and build **AWS** infrastructure using various resources, **VPC EC2, RDB, S3, IAM, EBS**, **Security Group, Auto Scaling, SES, SNS** and **RDS** in **Cloud Formation JSON** templates, **Route53, Lambda.**

**TECHNICAL SKILLS**

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| Operating Systems | Linux, WINDOWS, Unix ,Ubuntu |
| Languages | C, C++, PYTHON, Java/J2EE, Groovy, RUBY, YAML, XML, SHELL |
| Databases | MySQL, Oracle, Mongo DB, PL/SQL,SQL Server |
| Artifactory Repositories | Nexus, Jfrog, Artifactory |
| CM Tools | Ansible, Terraform |
| Web/Application Servers | Apache Tomcat, JBoss, WebSphere, WebLogic, Nginx |
| Build Tools | ANT, MAVEN |
| CI Tools | Jenkins, Bamboo |
| Automation container | Docker, Kubernetes. |
| SCM Tools | GIT |
| Bug Reporting Tools | JIRA, Confluence, Bitbucket. |
| System Monitoring Tools | Splunk, Nagios, CloudWatch |
| Methodologies | Agile, Scrum, Waterfall |
| Cloud | **AWS** **AZURE**,**ORACLE Cloud** |
| Infrastructure as code | CFT, Terraform |

**Professional Experience:**

**Teaching Support Assistant ( Cloud Engineer) | UC | Cincinnati , OH**

**July 2022 – March 2023**

**Responsibilities:**

* Developing automated process for builds and deployments using **Jenkins, Ant, Maven, Nexus, Shell, Python and Java for the Application.**
* Migrated various applications and services of teams from on-premise to AWS cloud using AWS resources like EC2, VPC, S3, Security Groups, etc.
* Managing **Amazon Web Services (AWS**) infrastructure with automation and configuration management tools like **Ansible.** Designing cloud-hosted solutions, specific **AWS** product suite experience.
* Experience with performance analysis of applications and interconnected components (Web Servers, Database, Messaging)
* Java J2SE / J2EE Programming experience
* Focused on containerization and immutable infrastructure. **Docker** has been core to this experience, along with **Kubernetes**. Experienced in using **Docker Swarm** and deployed spring boot applications.
* Created **Docker images using a Docker file**, worked on **Docker container snapshots**, removing images and managing **Docker volumes**.
* Involved in developing custom scripts using **Python**, Shell(bash) to automate jobs.
* Using **Python** API for uploading all the agent logs into **AWS**.
* Created and maintained the **Python** deployment scripts for Web Sphere web application server.
* Developed playbooks using **Ansible**. Automation agent's installation of **Nagios** on windows servers and Linux servers.
* Automated deployments to Linux, Windows servers using Shell and PowerShell scripts.

**WinWire Technologies - Hyderabad, India**

**Role: Linux System Administrator / Devops Engineer**

Jun 2019 – Dec 2021

**Responsibilities:**

* Extensive knowledge of common protocols such as **SNMP, HTTP, HTTPS, SMTP, NTP, DNS, TCP/IP, and FTP**
* Involved in Design, Configuration & Implementation of Unix/Linux migration activities from 3PAR to EMC SAN devices like **VMAX**.
* Managed and administrated of all **UNIX** servers, includes Linux operating systems by applying relative patches and packages at regular maintenance periods using Red Hat Satellite server, YUM, RPM tool
* Deployment and Configuration of application server **Tomcat** deploying **Java** and **Web Application**.
* Monitored **Memory Utilization, Disk Utilization, CPU Utilization** for monitoring performance in Linux server.
* Involved in pushing the code to **GitHub and** Maintained and Administered **GITHUB** Source Code Tool.
* Created Branches, Labels and performed Merges in Stash and **GITHUB**
* Monitoring system performance, tune-up kernel parameter, adding /removing /administering hosts, users, disks on DNS / NIS domain
* Used **CHEF** for managing server application server such as **Apache, MySQL, Tomcat.**
* Creating, Mounting and Troubleshooting **Network File System (NFS)** on different OS platforms.
* Designed **AWS Cloud Formation templates** to create custom sized **VPC**, **subnets, NAT** to ensure successful deployment of **Web applications and database templates**.
* Setup and build AWS infrastructure various resources, **VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.**
* Creating and Scheduling of **Cron Jobs** such as backup, System Monitoring and removal of unnecessary files.
* Expertise in using **Docker including Docker Hub**, **Docker Engine, Docker images**, **compose**, **swarm, and Docker Registry** and used containerization to make our applications platform to be consistent flexible when they are moved into different environments.
* Maintained the interfaces and secure connections between **Jenkins** and **CI/CD tools**.
* Executed the automation from commit to deployment by implementing a **CD pipeline** with the help of **Jenkins** and Chef.

**Education**:

* **Masters of Science Information Technology , University of Cincinnat**i

Jan 2022 – Apr 2023

GPA: 4.0

**Selected Courses: Database Management System, Computer Architecture, operating Systems, Cloud Computing, Cloud Technologies**.

* **Bachelors in Computer Science, KL University**

July 2016 – May 2020

GPA: 8.4/10

**Certifications:**

* Certified in Kubernettes Administrator
* Awarded as the Best Teaching Support Assistant in Computer Science for Spring 2023
* Participated in HACKATHON conducted by MICROSOFT
* Certified in AWS associate
* Certified in Azure administrator associate