
S. SANDEEP

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PROFESSIONAL SUMMARY

- With around 4 years of inclusion in IT, this unites into the field of **DevOps Engineering, AWS, Linux , CI/CD , Automation , Monitoring** in the field of Software Configuration Management (SCM).
- Detailed technical knowledge and hands--on experience of **DevOps, Automation, Build and Release Engineering** and **Configuration Management**.
- Extensive experience in the design and implementation of fully automated **Continuous Integration, Continuous Delivery, Continuous Deployment pipelines** and **DevOps** processes for **Agile Methodologies** projects across the Sectors.

CONTINUOUS INTEGRATION / CONTINUOUS DELIVERY:

- Experience in build and release management using **Jenkins , GIT** and **Maven**.
- Expertise in building automated Continuous integration and Continuous Delivery (**CI/CD**) pipeline with the help of **Jenkins** and versioning artefacts using **Nexus** repository manager.

CONFIGURATION MANAGEMENT/ AMAZON WEB SERVICES:

- Experience in **provisioning, orchestration, configuring** nodes and deployment using configuration management tool such as **Ansible**.
- Expertise in writing **Ansible Playbooks** and converting in to **Roles** for Scalability and Reusability in **Ansible**.
- Experience on **AWS Services** like **IAM, S3 storage, Elastic Load Balancer (ELB), Amazon Route 53, VPC, Amazon Elastic containers service (ECS) AWS Elastic Beanstalk, Amazon RDS** .
- Experience in Building, configuring and managing **EC2** instances with **Elastic Load Balancer (ELB) , Auto-Scaling , Elastic Block Storage (EBS)**.
- Experience in creating **Highly available(HA) VPC** for applications with **high security** using **NACL** and **Security Groups**.
- Experience in using **S3 Bucket**, configuring and using **S3FS** and **S3cmd** for artifact storage management and backups using **S3 sync**.
- Having Good Knowledge on **puppet**.

CONTAINERIZATION:

- Experience in **Dockerizing** Application. Deployed the **Docker** containers in **kubernetes** cluster and **AWS Elastic container service (ECS)** for the different projects.
- Experience in achieving Continuous Integration(CI) and Continuous Deployment(CD) by integrating using **Jenkins** , **Docker** , **Kubernetes** in production style.
- Working on container orchestration tool **Kubernetes** for Customizability, Scalability, and High availability of **Jenkins** and also using automation through **kubernetes** setup on **AWS** using **KOPS**.
- Experience in running and auto scaling and load balancing using **Kubernetes**.

MONITORING:

- Experience in Monitoring tools using **AWS cloud watch** and **Nagios** and troubleshooting the build and deployment failures .
- Good knowledge on **Agile Scrum Methodologies** using **JIRA** ticketing Tool.

SKILLS

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|---|--|
| • Operating System : LINUX (Ubuntu/CentOS) | • Containerization Tool : Docker , Kubernetes. |
| • Configuration Tool : Ansible | • Cloud Technologies : AMAZON WEB SERVICES(AWS) |
| • CI/CD Tools : Jenkins | • Softwares : Apache2 , Tomcat, Nginx, RabbitMQ, Memcached. |
| • Database : MySQL | • Build Tool: Maven |
| • Version Control Tools : GIT | • Test automation tools : SonarQube. |
| • Virtualization technologies : Virtualbox and Vagrant | • Monitoring and Debugging : Nagios . |
| • Programming languages : python (knowledge) | |

EDUCATION

B'TECH: Electronics and communication engineering , 2013

GITAM - Visakhapatnam, AP, India

with an aggregate of 75%.

WORK EXPERIENCE

DevOps Engineer, 02/2016 to Current

Accenture – Hyderabad, Telangana

Project 2: DST Systems on Health and Financial services

Environment : AWS Cloud, Jenkins, GIT, Ansible, Docker, Kubernetes.

Responsibilities:

- Worked as a **DevOps Engineer** with **Agile** team
- Created **Ansible Playbooks** and **Roles** for Automation tools and builds, and did an overall process improvement to any manual processes
- Installed/Configured and Managed **Nexus** Repository Manager.
- Setup **Git** , creating branches, tags, creating Users and Groups, assigning permissions .
- Setup **Jenkins tool** to integrate the JAVA project and maintained Jenkins with **continuous integration and deployment**.
- Creating **CI/CD** pipelines by integrating **Git , Maven , Jenkins , Ansible and AWS** (provisioning).
- Building and implementing new projects builds framework using **Jenkins , Maven** as build framework tools as Continuous Delivery(**CD**) framework using **Jenkins,Ansible** and **Maven** in **Linux** environment.
- Used **Jenkins** to streamline CI/CD process, automated **Master-Slave** configurations using temporary slaves.
- Setting up **EC2** instances with Creating and managing Elastic Load balancer (**ELB**) and also managing **EBS** and **snapshots** and deployment of client applications like **tomcat , nginx** on **AWS EC2** instances.
- Configuring **Auto scaling** Policies of EC2 instances based on CPU, network and Memory.
- Configuring **S3 bucket** permissions, versioning, and logging.
- Configuring **Cloud Watch** service for monitoring AWS resources.
- Deploying **VPC** and virtualizing the cloud with Subnet, Security groups, NACLs, Routing tables as per customer requirement using cloud formation etc which is of **high availability** and **securable**.
- Configuring **AWS Beanstalk** and **RDS**.
- Experience working on several **Docker** components like **Docker Engine, Docker-Hub, Docker-Compose, Docker-Registry**.
- Worked on installing of **Docker** using Docker toolbox. Created Docker images using a Docker file.
Worked on Docker container **snapshots, images**, redirection of **ports** and managing Docker **volumes**.

- To achieve Continuous Delivery goal on **high scalable environment** like **Docker** , **kubernetes**.
- Worked on **Container/Cluster** Management System like **kubernetes** setup on **AWS** using **KOPS Tool**.
- Writing the plugins/scripts for **Nagios** for monitoring.

DevOps Engineer, 01/2014 to 02/2016

Accenture – Hyderabad, Telangana

Project 1 : Far East National Bank

Environment : GIT , Maven , Jenkins , Ansible, AWS Cloud, VM and Vagrant.

Responsibilities:

- Promoting CI/CD culture collaborating with the teams like **Development** , **DBA**, **QA** , **Support** and **Business Operations**.
- Apply **engineering experience** to perform functions such as integration ,configuration management ,quality assurance testing or acquisition and resource management.
- Built ,tested and deployed scalable ,high available and modular software products using **Shell-scripts** executed from **Jenkins** to move from one environment to another.
- Creating CI/CD pipelines by integrating **Git,maven, Jenkins, Ansible, and AWS** (provisioning).
- Writing **Ansible Playbooks** and developing re-usability **Roles** for Application Deployment automation, Cloud Infrastructure Automation.
- Automated system configuration using **Puppet** . Developed **Puppet modules** to automate deployment, configuration, and lifecycle management of key clusters.
- Experience in **AWS** provisioning by creating EC2 Instances and configuring all necessary services like Security, EBS, and S3.
- Integrating **Git** with **Jenkins** and **Nexus** in continuous integration and configured Jenkins with **Poll SCM build trigger**..
- Automating build process for creating JAR/WAR artifacts using **Ant** and **Maven**.
- Configuring **Jenkins** with **Github Webhooks** to automate the integration, when source code is pushed and notify the errors to developer.
- Deployed builds to different environments like **DEV, QA, UAT** environments by integrating Jenkins and Ansible.
- Analyze ,design, develop, implement ,test or evaluate automated system and application monitoring tools related engineering or functional requirements for associated systems.

