

SUMMARY

3+ years experienced & result oriented DevOps Engineer possessing in-depth experience of managing cloud-based technology & effectively handling configuration & deployment of infrastructure & services. Gained hands-on experience in implementing core DevOps concepts such as containerization, virtualization, version control, cloud computing, database management & administration, load balancing, etc. by using a wide variety of technologies while working with multiple DBMS, Operating Systems & programming languages. Drives excellence in every project to deliver outstanding results.

KEY SKILLS

- **Containerization • Version Control • Database Management • Database Administration • Load balancing • Configuration Management • Cloud Technology Management • Virtualisation • Cloud Computing • Server Maintenance • Infrastructure Monitoring • Security & User Administration • Shell Scripting • CRUD • Networking & Configuration • Deployment & Provisioning**

TECHNICAL SKILLS

- **DBMS:** MySQL
- **OS:** Linux, Windows
- **Version Control Systems:** Subversion, Git
- **Automation/Build Tools:** Jenkins and JNLP Slave Nodes, Docker, JIRA, Ansible
- **App & Web Servers:** IIS, Tomcat
- **Virtualisation:** Docker, Amazon AWS/EC2, Xen,

PROFESSIONAL EXPERIENCE

DevOps Engineer

Mar '19 - Present

Allit technologies (India) Pvt Ltd

Bangalore

Environment: Docker, GIT, Nagios, Linux, Apache, load balancing, AWS, Ansible, Java, Python

Virtualization & Load Balancing

- Managed the **infrastructure**, avoided single point of failure, monitored **RAM CPU space**
- Created server & components by application of **Virtualisation Concept** by deploying Docker
- Employed HAProxy to conduct **load balancing** for handling a constantly increasing user base & ensuring scalability & reliability

Cloud Based Distributed Computing

- Played key role in **establishing** the entire cloud based **distributed computing infrastructure**.
 - Employed **complex concepts & technologies** including git, Docker, apache, nodes, networking, etc.

Server Maintenance & Infrastructure Monitoring

- Managing **50+ Linux servers** & component provisioning & handling configuration & deployment of infrastructure & services
- Setup **Nagios server** & installed Nagios Plugin on each running host machine as a client
- Constantly **monitored** the **up-time** of the infrastructure using status of all components sent by the Nagios client

Team Management

- Employed **Agile methodology** for Project Management & **GIT** for Version Control to manage the team
- Conducted code reviews to verify quality and facilitated the same based on review

Roles and Responsibilities

- Deploy and monitor scalable infrastructure on Amazon web services (**AWS**) & configuration management using **Ansible**.
- Written Simple **Ansible** YAML scripts to configure the servers.
- Written Ansible YAML scripts that can store the credentials for various sandboxes and secured them on the remote servers.
- Configuring the **Docker** containers and creating docker files for different environments.
- Designed **Playbooks** to manage configurations and automate installation process.
- Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using **GIT** source control.
- Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with **Ant** and **Maven** to schedule the builds and automated the deployment on the application servers using the "code deploy" plugin for jenkins. Maintained build related scripts developed in **ANT** Modified build configuration files including Ant's build.xml



- Automate the builds and deployment of **JAVA projects** using ANT and Jenkins.
- Managed and monitored the server and network infrastructure using **Nagios**.
- Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
- Provided end-user training for all GitHub users to effectively use the tool.

Environment: CI/CD, AWS, Jenkins, Ansible, Docker, Apache, Ant, Git Hub.

- Automate infrastructure in **AWS** using amazon web services. Deploy puppet to completely provision and manage **AWS EC2** instances, volumes, and S3.
- Deployed Puppet, Puppet Dashboard and PuppetDB for configuration management to existing infrastructure.
- Automated the tasks using **Puppet**.
- Configuration Automation using Puppet and Docker Containers.
- Launching and configuring of **Amazon EC2(AWS) Cloud Servers** using AMI's (Linux/Ubuntu) and configuring the servers for specified applications.
- Created continuous integration system using SVN, Ant, Jenkins, chef, Puppet full automation
- Integrated Build Process through **Jenkins** to various SCM tools like **GitHub, SVN**.
- Perform daily system monitoring, verifying the integrity and availability of all hardware, server resources, systems and key processes, reviewing system and application logs, and verifying completion of scheduled jobs such as backups.
- Provide responsive off-hours support in a 24/7 environment and ensure maximum availability of all servers and applications.

Environment: AWS, Jenkins, Docker, Git, Puppet.

- Remediated applications for upgrade, perform build and deployment. Upgraded **JDK 1.6 to 1.8** and middleware for applications
- Provided environment and functional support for SIT and UAT testing of applications. Involved in document implementation / back out plans and provide deployment support
- Hands-on experience in installation and configuration of middleware technologies such as **Weblogic, Tomcat** and **Apache**
- Configuration Management: Maintenance of source code Repository using **GIT** control version, Branching, Tagging and Merging. Used **Collabnet GIT**
- Good hands on experience on **CI/CD** integration tool **JENKINS** and created and configured project jobs
- Experience with scheduling tools such as **Autosys**. Used **Job Information Language(JIL)** to create jobs with date conditions and alarms
- Extensively work on the **unix** environment and **Shell Scripting**
- Created **EAR/WAR** file using **Maven** for deploying/build process. Deployed WAR file in **ApacheTomcat** (7.0) server
- Hands-on knowledge of **Docker** containers and container orchestration system, **Kubernetes**

- Implemented **Docker** based Continuous Integration and Deployment framework
- Created image/container backups and customized images using **Dockerfile**
- Good understanding of **Docker compose** and **Docker Swarm**
- Launching Amazon **EC2** Cloud Instances using Amazon Images (Linux/ Ubuntu) and configuring launched instances with respect to specific applications.
- Performed application server builds in **AWS EC2** environment.
- IAM, EC2, AMI, EBS, EFS, VPC, ELB & S3 & **Glacier, Cloud Watch & Cloud Trail, SNS**

Implementing and controlling the flow of data transfer to and from AWS EBS volume feature

- Increasing **EBS bucket volume storage** capacity when the root volume is full using AWS EBS

Experience in secure **VPC** solutions in AWS with the help of security groups, public and private network configurations

- Create snapshots and **amazon machine images (AMI)** of the instances for backup and creating clone instances
- Created **SNS** notifications and assigned **ARN** to S3 for object loss notification

EDUCATION

B.Sc

May '18

SV University

Tirupati

Declaration

I assure that the information furnished above is correct to the best of my knowledge and belief.