NAVATEJA K

[NAVATEJA.OFFICE18@GMAIL.COM](mailto:NAVATEJA.OFFICE18@GMAIL.COM)

+1 (413) 366 -1818

**Professional Summary**:

Around **6+** years of experience in IT industry with **Cloud** **administration, automation and operations across various Cloud platforms (UNIX, Linux, Mac and Windows) including Continuous Integration (CI) & Continuous Deployment/Delivery** as an iterative process and Automation of Infrastructure as Code.

* Experience in Automating, Configuring and deploying applications on AWS, Azure and Google Cloud Platform environments.
* Strong experience with AWS Cloud Administration of services like **IAM, EC2, S3, VPC, Route 53, Auto Scaling, Load Balancing, CloudWatch, Security Groups and Cloud Formation.**
* Hands on experience in **Azure** infrastructure management with configuring Cloud platforms such as **Virtual Networks Multi-site, Cross-site, VMs, Azure AD, Load Balancers, Azure SQL** andetc.
* Experience in **Linux administration** for configuring and maintaining the servers by creating multiple users and responsible for troubleshooting in case of errors.
* Experience with **Google Cloud Platform** by utilizing its services like App-Engine for developing and hosting web-applications in Google managed data centers.
* Experience with **Terraform** templatesfor building, changing and versioning infrastructure safely and efficiently.
* Expertise with Source Management tools **GIT-Hub, Bit-Bucket and SVN** repository concepts like creating branches and web-Hooks for auto deploying code.
* Experience with Integration tools like **Jenkins and Bamboo** for Continuous Integration (CI) & Continuous Deployment/Delivery as an iterative process.
* Experience with Docker services like **Docker Engine, Docker-Hub, Docker-Compose, Docker Registry and Docker Swarm.**
* Experience in creating, managing **Kubernetes clusters** and Kubernetes namespaces to maintain the high availability and work load distribution.
* Experience in using Configuration management/provisioning tools such as **Puppet, Chef and Ansible**. Developed **Ansible playbooks and Chef cookbooks** to automate deployment, configuration, and lifecycle management of key clusters.
* Expertise in using Bug tracking Tools like **JIRA and Bugzilla** to keep track of reported software bugs in terms of tickets on software development projects.
* Experience in writing build scripts, deployment and automated solutions using scripting languages such as **Python,** **Bash, PowerShell and Ruby**.
* Experience in **C,** **C++,** **Java/J2EE** and **JSON** programming languages to manage software Configurations and builds in a LINX/UNIX environments.
* Installation, Configuration and Management of **RDBMS** (MySQL, **PostgreSQL**) and **NoSQL** services such as **(MongoDB** and **Redis**).
* Experience with log aggregation tools like **NAGIOS, ELK** (Elasticsearch, Logstash & Kibana) configuration and administration for monitoring AWS EC2 (Elastic Cloud Compute) instances.
* Experience with Industry Security Standards like **PCI-DSS**, Intended to protect individual business from cyber threats and protection of entire payment chain ecosystem.
* Strong Experience in **Troubleshooting, Monitoring, Training and On-call support** in production and test environments.

**Technical Skill Set:**

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| --- | --- |
| Cloud Environments | AWS, Microsoft Azure, GCP |
| Operating Systems | UNIX, Linux (UBUNTU, Centos, RedHat), Mac, Windows |
| Version Control Tools | GIT, SVN, Bit-Bucket |
| Configuration Management Tools | Ansible, Puppet, Chef |
| Build Tools | Maven, Ant |
| CI/CD Tools | Hudson/Jenkins, Bamboo, Docker, Kubernetes, SonarQube, Docker Swarm |
| Bug tracker and Testing | JIRA, Bugzilla |
| Programming Languages | C, C++, Java, JSON, XML |
| Scripting Languages | Bash, PowerShell, Python, Ruby, Yaml |
| Monitoring Tools | CloudWatch, Nagios, ELK |
| Databases | RDSMS and NoSQL (MYSQL, PostgreSQL, MongoDB and Redis) |
| Web/Application Servers | Apache Tomcat, Nginx, WebLogic |

**Work Experience:**

**AWS/DevOps Engineer**

**Wells Fargo Charlotte, NC March 2017 to Present**

**Responsibilities:**

* Experience in configuring Amazon EC2 instances and launching the new instances with same configuration by using **AMI's** (Amazon Machine Images).
* Implementation of **Terraform** templates for AWS solutions like **EC2, S3, VPC, VPC Peering, RDS, EBS, Elastic Load Balancer** and **Auto Scaling Groups.**
* Experience with build tools like **Maven** and **Ant** for the development of build artifacts on the source code.
* Strong work experience with Continuous Integration and Continuous Delivery tool **Jenkins.** And Integration of Jenkins with source code management tool **GIT.**
* Creation of **Web-hooks** in **GIT repositories** to integrate it with **Jenkins** to automate the delivery for every single change made to code.
* Responsible to Write **Ansible playbooks** for several pre-production environments consisting of deployment automation and AWS EC2 instance mirroring.
* Experience with container based deployments using **Docker**, working with **Docker images and with Dockerhub.**
* To manage work-load and high availability used container management services such as **Docker Swarm** and **Kubernates** **Cluster**.
* Integration of **Jenkins** with Continuous Inspection tool **SonarQube** for code quality and to perform automatic reviews with static analysis of code to detect bugs.
* Responsible to write the **Python** scripting for automation and highly scalable build promotions for staging to production.
* Installation, Configuration and Management of monitoring tool such as **Nagios** for resource monitoring, network monitoring and log tracing.
* Experience with **JIRA** tool to track the all the errors/defects made in the code and cleared. Also involved in troubleshooting build issues and solved them.

Environment: GIT, Maven, Ant, Ansible, Jenkins, AWS (EC2, S3, VPC, RDS, EBS, Elastic Load Balancers, Auto Scaling), Docker, Docker Swarm, Kubernates, Python, JIRA, Nagios and ELK.

**DevOps Engineer**

**Verizon Atlanta, GA August 2015 to Jan 2017**

**Responsibilities:**

* Responsible for build and deployment processes for **Pre-production** environments.
* Established connection from **Azure** to On-premise datacenter and responsible to design, install, administer, and optimize hybrid cloud components to ensure business continuity.
* Experience with **Java/J2EE** technologies using Core Java Collections, Exception Handling, Swing, Serialization & Multi-threading.
* Maintained the version control system across the environments using SCM tools like **GIT** and **Bit-Bucket**. Also resolved merging issues during rebasing and re-integrating branches.
* Authenticated and authorized **pom.xml** files and performed releases with the **Maven** release plugin by integrating with a continuous integration tool **Jenkins**.
* Maintained two **Bamboo** servers and one **Jenkins** server to deploy into production and non-production environments. Also deployed the build results using workflows.
* Experience in Configuration management tool **Puppet,** wrote Puppet manifests using **Ruby** and modules to deploy, configure, and manage servers.
* Worked on **Docker** containers to run multiple applications on same and different containers by creating a **Docker file**. Also experienced with **Docker images**, **Docker Hub** and **Docker Registry**.
* Configured and deployed **MySQL** and **MongoDB** servers primarily and implemented authentication to its clusters.
* Experience in leveraging the Docker containers with a containerization tool **Kubernetes,** written and implemented **YAML** files to maintain the **Kubernetes cluster**.
* Experienced in using Bug tracking tool **Bugzilla** tofind the errors and a cloud monitoring tool **ELK (Elasticsearch, Logstash, and Kibana)** to monitoring the services.
* Responsible for releasing code to testing regions and staging areas according to the schedule published.

Environment: Microsoft Azure, Java/J2EE, GIT, Bit-Bucket, Bamboo, Maven, Python, Shell Scripting, Puppet, Docker, Kubernates, SQL, MangoDB, ELK, Bugzilla.

**Build & Release Engineer**

**Avani Tech Solutions Pvt LTD. India November 2014 to May 2015**

**Responsibilities:**

* Performed all necessary day-to-day **Subversion** support for projects and responsible to design and maintenance of the Subversion repositories, views, and the access control strategies.
* Configured and deployed instances on **GCP** environments and data centers, also managed data migration from **AWS** to **GCP** by creating cloud infrastructure as tunnel between both the clouds.
* Experienced with Installing and configuring the **Jenkins** CI/CD pipeline for Continues Integration. Also launched **Master** and **Slave** servers to run various builds on different machines.
* Written **Ant** and **Maven** scripts to automate entire build process and migrated **ANT** projects into **Maven** for better build performance.
* Experience in deployment of WAR, JAR and EAR files along with environment specific properties into production environments and **WebLogic/WebSphere** servers.
* Automated deployment of application packages on to Nginx severs using configuration management tool **Chef** and also used tools like Knife to enhance the functionality and usability of the **Cookbooks**.
* Worked on **Nexus** Repository to upload the build artefacts after a successful build and experienced with **Crontab** for scheduling the build tasks.
* Created and maintained documentation of build and release processes and application configuration to comply with audit requirements and Industry best practices.
* Experienced with deploying the Java applications into web application servers like **Apache Tomcat.**
* Experience with an Industry mandate that defines the minimum security controls needed to protect customer cardholder data throughout its lifecycle.

Environment: Google Cloud Platform, AWS, Subversion, Jenkins, ANT, Maven, Chef, Cookbooks, Nexus, Crontab, WebSphere, WebLogic, Tomcat.

**Linux Administrator**

**PMR Softtech Pvt Ltd. India September 2011 to Aug 2014**

**Responsibilities:**

* Experienced in installing, configuring and managing the **Lamp stacks** like (Apache/MySQL/PHP and etc). Also specialized in Linux System Administration, Installation and Configuration of **RHEL**, **CentOS**, **UBUNTU.**
* Strong work experience in User and Group Administration along with **SUDO** user permissions and remote file transferring using **SCP, COPY** commands.
* Administration of repetitive jobs using **CRON** scheduling, and using bash scripts to accomplish the task on multiple servers.
* Responsible for Performance tuning and management for Linux server and working with the application/database team to resolve issues.
* Involved in modifying and writing the **Bash** and **Corn** shell scripts for optimizing day to day administration.
* Written scripts for auto installations and setups like Configuration and maintenance of **Apache** and **Tomcat Servers**.
* Performed system maintenance tasks such as system startup/shutdown, backups, Printing, Documentation, User Management and configuration of terminals.
* Responsible for **Troubleshooting** and systems performance monitoring for end users and application problems.
* Worked closely with database administration staff to ensure optimal performance of databases, and maintain development applications and databases.

Environment: Lamp Stack, RHEL, Ubuntu, CentOS, CRON, Shell/Bash Scripting, SUDO permissions, Troubleshooting, Apache Tomcat.

**Education:**

Bachelors of Technology in Engineering – Jawaharlal Nehru Technological University, Hyderabad,

India.