**Kishor Adapa**

[**kishor.dev402@gmail.com**](mailto:kishor.dev402@gmail.com)

**510-458-9130**

**Cloud Engineer**

**Professional Summary:**

* Over 8+ years of strong experience in Software Configuration Management in **AWS Cloud platform** and its features which includes **EC2, VPC, EBS, AMI, SNS, RDS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Auto scaling, CloudFront, IAM, S3, R53.**
* Expert in Designing and deploying **AWS solutions using EC2 instances, EBS**.
* Experience in real-time monitoring and alerting of applications deployed in **AWS** using Cloud watch, Cloud trail and Simple Notification Service
* Expertise in managing **VPC** configurations for organizations and maintaining networks, **subnet ranges, ACLs, Internet Gateways and routing tables.**
* Experience on working with **VPC** on handling cloud computing services on **virtual network topology.**
* Configured AWS **Identity and Access Management (IAM)** Groups and Users for improved login authentication.
* Experience in building and managing large-scale private **cloud deployments.**
* Excellent experience in branching, tagging and maintaining the version across the environments using **SCM tool like GIT on UNIX and windows environment.**
* Extensively worked on **Jenkins for continuous integration and for End to End automation** for all build and deployments.
* Experience in **XL release management** is an end to end pipeline orchestration for Continuous Delivery and DevOps teams.
* Strong experience with configuration management tools like **Puppet, Chef and Ansible**
* Experience writing chef cookbook and recipes to automate the deployment process and to integrating **chef cookbooks** into **Jenkins jobs** for a continuous delivery framework.
* Integrated **git hub** and **puppet** to ensure reviewed rollout of configuration changes using puppet through version management using git.
* Installed and configured an **automated tool Puppet** that included the installation and configuration of the **Puppet master, agent nodes** and an admin control workstation.
* Experience in writing **Puppet manifests** to automate the services.
* Experience in **Python, Shell and Perl** scripting to automate infrastructure related manual tasks.
* Experience with a lot of data stores including **MySQL, Oracle and MongoDB** etc.
* Experience on Virtualization technologies like **VMware, Docker.**
* Expert level experience working on **Docker hub, creating Docker images and handling multiple images** primarily for middleware installations and domain configuration.
* Created and maintained **various DevOps related tools** for the team such as **provisioning scripts, deployment tools** and **staged virtual environments** using **Docker.**
* Experience in **Kubernetes** Implementations, DevOps solutions, Big Data Implementations, and scalable microservices.
* Deploy Open Stack environments through automated tools, **Ansible custom pipeline**.
* Experience supporting **24x7** production computing environments. Experience providing on-call and weekend support.
* Extensive experience using **MAVEN** and **ANT** as build tools for the building of deployable artifacts (jar, war & amp; ear) from source code.
* Experience in installing configuring and deploying of **Java/J2EE** in **Application Servers like WebSphere, WebLogic and JBOSS.**
* Hands on experience in performing tasks in **Databases like Oracle, MySQL and MSSQL**
* Experience in configuration of **DNS, DHCP, NFS, LVM, FTP**, Remote Access Protocol, security management and Security trouble shooting skills.
* Experience with **PaaS, IaaS and SaaS environments.**
* Good knowledge in managing the **Nexus and Artifactory repositories** for the **maven artifacts and dependencies.**
* Experience in using the open source monitoring tools like **Nagios and Splunk and logging tools like log entries, ELK.**
* Practical experience with **Linux/Unix** system administration and troubleshooting**.**

**Technical Skills:**

|  |  |
| --- | --- |
| **Operating Systems:** | Linux, Red Hat, Centos, Ubuntu, Solaris, Windows, Mac OS. |
| **Virtualization Technologies:** | Oracle Virtual Box. |
| **Containers:** | Docker, Kubernetes. |
| **Cloud Stacks:** | Amazon Web Services, Google Cloud Platform. |
| **Source Control/ Versioning Tools:** | GIT, GitHub, SVN and Bit Bucket. |
| **Configuration Management Tools:** | Chef, Ansible, Puppet. |
| **Continuous Integration Tools:** | Jenkins, Team City. |
| **Build Tools:** | Ant, Maven. |
| **Servers:** | WebLogic, Apache Tomcat, Nginx, JBOOS, WebSphere. |
| **Scripting Languages:** | Perl, Python, Bash, Shell scripting. |
| **Databases:** | Elastic Search, MySQL, PostgreSQL, MongoDB, Cassandra, Oracle PL/SQL. |
| **Networking Tools:** | FTP, SMTP, SSL, TCP/IP, DNS, DHCP, LDAP. |
| **Ticketing Tools:** | JIRA, Bugzilla, Fisheye, Rally and HP Quality Center. |
| **Monitoring Tools:** | Nagios, Splunk. |

**Education:**

Bachelor of Technology in Electronics and Communications Engineering, from JNTUH.

**Professional Experience:**

**Kaiser Permanente**

**Pasadena, CA Jun 2017 – Till Date**

**AWS Cloud Engineer**

**Responsibilities:**

* Developed and supported the Software Release Management and procedures.
* Performed all necessary **day-to-day Subversion/GIT** support for different projects.
* Working for DevOps Platform team responsible for specialization areas related to **Chef for Cloud Automation.**
* Collaborated with Development and Support teams to setup a Continuous Delivery environment with the use of **Docker, Continuous build and Delivery tools.**
* Developed Networking policies for Docker containers. Worked on open source development tools like **Docker Containers and Kubernetes.**
* Utilized **Kubernetes** and **Docker** for the runtime environment of the CI/CD system to build, test and deploy.
* Used **Nagios** monitoring platform on **Kubernetes** to report detailed resource usage information.
* Designed and implemented **Subversion and GIT** including **elements, labels, attributes, triggers and hyperlinks.**
* Managed configuration of **WebApp and Deploy to AWS cloud server through Chef.**
* Worked on creating **Data bags** and Roles in organizations. Stored global variables into **JSON data.**
* Worked with **Ansible playbooks** for virtual and physical instance **provisioning, configuration management, patching and software deployment on OpenStack environments through automated tools, Ansible / custom pipeline.**
* Used **Chef for server** provisioning and infrastructure automation in a SaaS environment.
* Worked on **cloud environment, AWS**: created instances and migrated various applications to AWS.
* Deploy and monitor scalable infrastructure on **Amazon web services (AWS) & configuration management using Chef.**
* Used **Terraform** to map more complex dependencies and identify network issue.
* Built **Jenkins jobs** to create AWS infrastructure from GitHub repos containing **Terraform code.**
* Used **Jenkins pipelines** to drive all **micro services** builds out to the Docker registry and then deployed to **Kubernetes**, Created Pods and managed using Kubernetes
* Building/Maintaining **Docker container clusters** managed by **Kubernetes Linux**, **Bash, GIT, Docker**, on **AWS**. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Involved in development of test environment on Docker containers and configuring the **Docker containers using Kubernetes**.
* Developed microservice on boarding tools leveraging **Python** and Jenkins allowing for easy creation and maintenance of **build jobs** and Kubernetes deploy and services.
* Refactoring of monolithic applications to a **Microservices** and Component based architectures.
* Worked on **deployment automation** of all the micro services to pull image from the private docker registry and deploy to **docker swarm** cluster using **Ansible.**
* Building/Maintaining Docker container clusters managed by **Kubernetes Linux, Bash, GIT, Docker, on AWS.**
* Created **Jenkins** CI/CD pipelines for continuous build & deployment and integrated **Junit** and **SonarQube** plugins in Jenkins for automated testing and for **Code quality check**.
* Integrated **SonarQube**with Jenkins for continuous inspection of code quality and analysis with SonarQube scanner for Maven.
* Used **ANT and MAVEN** as a build tools on java projects for the development of build artifacts on the source code.
* Deployed the Java applications into **web application servers like Web logic**.
* **Installed and configured Puppet** for internal infrastructure within the company.
* Worked with **Restful API's** of Elastic Search to analyze, search and visualize real-time data.
* Handling admin tasks in Linux OS such as **server restart, application installation setting up monitoring dashboards for app server.**

**Environment:** Java, Agile, Chef, Power Shell, Docker, Kubernetes, Terraform, Nagios, AWS, GIT, Jenkins, Python, SonarQube, ANT, MAVEN, JIRA, LINUX, Web logic, MY SQL, Perl Scripts, Shell scripts, Windows and Linux.

**Thermo Fisher**

**San Diego, CA Oct 2015 - May 2017 AWS Cloud Engineer**

**Responsibilities:**

* Coordinated with the **Development, QA, and IT Operations** teams to ensure there are no resource conflicts.
* Installed/Configured/Managed **Jenkins CI Automation**.
* Installed/Configured and Managed **Nexus and Artifactory Repository Manager.**
* Managing the code migration from **CVS** and **Star team to Subversion repository**
* Analyze and resolve conflicts related to merging of **source code for GIT**.
* Involved in migration of **Bamboo server, Artifactory & GIT server.**
* Developed build and deployment scripts using **ANT and MAVEN** as build tools in **Jenkins** to move from one environment to other environments.
* Defined dependencies and plug-ins in **Maven pom.xml** for various activities and integrated **Maven with GIT** to manage and deploy project related tags.
* Implemented **the Chef cookbook SSSD** to automate the integration process between RHEL and Windows AD using Kerberos key tab file.
* Implemented the **Chef Software** setup and configuration on **VM’s** from the scratch and deployed the run-list into **chef-server** and **bootstrap the chef clients** remotely.
* Customized changes in **Chef Data Bags, Roles and Recipes.**
* Involved in searching **node attributes using Knife**.
* Deploying the cookbooks, recipes using knife tool from **Chef-DK Workstation to Chef-server.**
* **Created Docker containers for deploying the services** on top of physical machine **using chef.**
* Created the **Docker Images,** and pulling **the Images using Nginx**
* Configuration of **Infrastructure** and **Environments** in XL Deploy done by manually
* Configured **XL Deploy access control** that ensures the security of middleware and deployments
* Monitoring all **pipeline view activities** through XL Release Management
* Implement manual tasks to automate the process of **XL Release flow engine**
* Create Jenkins tasks to run a Jenkins job that is triggered when the task becomes active in XL Release.
* Automated Apache**-webserver configuration, DB Server configuration, SSSD Configuration, LAMP by writing Ruby Cookbooks and python scripting in Chef.**
* Configured application servers **(Apache Tomcat**) to deploy the code.
* Deployed **the Java applications** into web application servers like **JBOSS.**
* Implemented **Nagios core/ XI** for monitoring Infrastructure resources.
* Maintained **JIRA** for tracking and updating project defects and tasks.

**Environment:** Chef-DK, Chef workstation, Chef Server, Cookbooks, Nagios, Tomcat, Apache web server, DB server, Nginx, Jira, Red Hat Linux, Docker, XL Release Git, GitHub, SVN, Jenkins, Bamboo, Ant, Maven, Nexus, Java, Shell script, Python, Ruby script.

**CVS Caremark - Phoenix, AZ Nov 2013 – Sep 2015**

**Cloud Engineer**

**Responsibilities:**

* Designed highly available, cost effective and fault tolerant systems using multiple **EC2 instances, Auto Scaling, Elastic Load Balance and AMIs**.
* Setup and build AWS infrastructure various resources, **VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.**
* Built **AWS Cloud Formation** templates to create custom sized **VPC, subnets, NAT** to ensure successful deployment of Web applications and database templates.
* Develop **Cloud Formation scripts** to **automate EC2 instances**.
* Creating **S3 buckets** and also managing policies for **S3 buckets** and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Monitoring using **Ansible playbooks** and has integrated **Ansible with Jenkins.**
* Creating the build script using the **ANT as build tool, for Java web applications.**
* Written **Chef Cookbooks** for various DB configurations to modularize and optimize end product configuration, converting production support scripts to Chef **Recipes and AWS server provisioning using Chef Recipes.**
* Deployed the generated build to **WEB and APP server** using the continuous integration process to all Environments.
* Developed automation scripting in **Python using Puppet** to deploy and manage Java applications across **Linux servers**.
* Designed and developed automation test scripts using **Python**.
* Deployed **Java/J2EE applications** to **WebLogic server** using **Jenkins** build.
* Created **Python and WebLogic WLST** scripts to automate the deployment process
* Worked on configuring the **Apache Tomcat** for **Java applications deployment**.
* Developed **Puppet modules** and **manifests** to automate deployment, configuration, and lifecycle management of key clusters.
* Used **the JIRA** for bug tracking, creating the dashboard for issues.

**Environment**: AWS EC2 instances, VPC, Auto Scaling, Elastic Load Balance, S3, IAM, Puppet, Chef, Docker, Ansible, Jenkins, Ant, Maven, GIT, GITHUB, Python, WLST, WebLogic, JSON, Nginx, Web and App server, Apache Tomcat, Java/J2EE, JIRA, Ant, Artifactory

**First Card – Chicago, IL Jan 2012 - Oct 2013**

**DevOps Engineer**

**Responsibilities:**

* Participated in the release cycle of the product which involved environments like **Development QA UAT and Production**
* Regular Build jobs are initiated using the **Continuous Integration tool with Jenkins**.
* Develop and implement an automated Linux **infrastructure using Puppet.** Wrote **Puppet manifests for deploying, configuring**, install shield and managing collected for metric collection and monitoring.
* Wrote **Puppet modules** for installing and managing Java versions.
* Implemented automated local user provisioning in instances created in **OpenStack cloud**.
* Deploying the **OpenStack components** on multimode with high availability environment.
* Configured **Jenkins for doing** builds in all the non-production and production environments.
* Used **JIRA as a Change Management/ Work Management/ SCRUM Agile** Tool.
* Creating user level of access for related GitHub **project directories to the code changes.**
* Performed all necessary day-to-day **Subversion/GIT support** for different projects.
* Used **Artifactory repository tool** for maintaining the **Java based release code packages**.
* **Deployed Puppet, Puppet Dashboard and Puppet DB for configuration management** to existing infrastructure.
* Worked on **Jenkins, GitHub, Puppet** and all internal build systems for the core development team on enterprise-level **Java-based cloud orchestration/automation tool**.
* Strictly enforced ITIL process while pushing builds and deployments to prod and pre-prod environments.
* Configured the user's accounts for **Continuous Integration - Jenkins, Nexus and Sonar.**
* Designed and developed automation test scripts using **Python.**
* Involved in Building **Java code and .NET** code on to different **Jenkins servers** as per the schedule
* Worked with Performance engineers on **Configuration of the environment**.
* Created and deployed a tool to automate branch and project creation in subversion **using Perl and Puppet scripts.**

**Environment**: Java/J2ee, Puppet, OpenStack, Ant, Maven, GIT, GitHub, SVN, Artifactory, Bamboo, Agile/scrum, Nexus Pro, Sonar, Jira, Remedy, Java, .Net, Ruby, Python Scripts, Tomcat, Jenkins.

**Epiq Systems – Chicago, IL Oct 2010 - Jan 2012**

**Build and Release Engineer**

**Responsibilities:**

* Management of Customer Requirements and documentation of the **Project Plan** as per the requirements.
* Experienced in working with **CVS environment** and configuring the version tool for the project development.
* Installation and customization of rational tools like **Clear Case and Clear Quest**, support and maintenance of these tools.
* Customized **TFS 2010 Work Item Templates and Workflow of the Work Items**
* Defect tracking using **Clear Quest tool and Version Management using CVS tool.**
* Created branching & tagging strategy to maintain the source code in the **GIT repository**.
* Installed **Jira and confluence on Tomcat server**.
* Completing **software builds and elevations**, **creating directories and security groups**, and recreating prior versions. **Monitored software, hardware**, and/or middleware updates and utilizing technologies like **Jenkins/ Hudson, Ant, MS Build, and Subversion.**
* Management also involved in migration within Version tools **like CVS and Clear Case.**
* Script writing by using Shell and knowledge skills in **ANT and Perl**.
* Developed **Python** and **Shell** scripts for automation of the build and release process.
* Installation and configuration of CM related software in **UNIX and Windows environments, using UNIX commands and Windows Navigation.**
* Team activities other than work related in the process of Initiation and encouragement were done.

**Environment:** Clear Case, Clear Quest, TFS, MS build, CVS, Jenkins, Hudson, Maven, Ant, GIT, Jira, UCM, SQL, J2EE, Shell, Perl, Python, UNIX, Windows NT/2000 and Web Sphere.

**TechMinfy - Hyderabad, India Jun 2009 - Sep 2010**

**Linux Administrator**

**Responsibilities:**

* Installation **Redhat Linux Enterprise Server 5/6.**
* Installation of **WebLogic,** upgraded to service pack updates, installed BEA patches, configuring and creation new domain & services starting & stopping.
* Monitoring day-to-day administration and maintenance operations of the company network and systems working on **Linux and Solaris Systems.**
* Production support of **Apache, PHP, My SQL, Tomcat including installation, configuration, management and troubleshooting.**
* Involved in developing custom scripts using **Shell (BASH, KSH) to automate jobs.**
* Networking communication skills and protocols such as **TCP/IP, Telnet, FTP, NDM, SSH, rlogin**.
* **NIS, NFS, AUTOFS, NTP** Configuration and Administration.
* Define Mapping Servlets, Filters, and Session Configuration on **JBOSS.**
* Production support of **Apache** and **JBOSS** including installation, configuration, management and troubleshooting.
* Installation, configuration, support and security implementation on **DNS, DHCP, NFS, HTTPD.**
* Installed **Apache Webserver, WebLogic Application Server, and Oracle database** in the servers.
* Extracted the data from **MySQL, Oracle, SQL Server** using **Sqoop** and loaded data into Cassandra.
* Configured domains, admin and managed servers in **WebLogic application server to deploy web/enterprise applications**.
* Involved in documentation of **Solaris and RHEL environment and configuration details**.
* Worked on the administration of the **JBoss4.2.2 servers** including installation and deployments.

**Environment:** NIS, NFS, AUTOFS, NTP, DNS, DHCP, NFS, HTTPD, JBOSS, TCP/IP, Telnet, FTP, NDM, SSH, Shell, WLST, Apache, PHP, My SQL, Tomcat, LVM, Apache server, WebLogic server, Solaris Linux, UNIX.