****

**Sr. AWS/DevOps Engineer**

**Name: Manish .M**

**Email: manishdevops88@gmail.com**

**Phone: 925-264-9594**

**PROFESSIONAL SUMMARY:**

**Overall 8+ years** of experience in IT industry comprising of **SCM, Build/Release Management** and **Change/Incident** **Management** performing duties such as **monitoring, automation, deployment, documenting, support and troubleshooting.**

* Extensive knowledge in **DevOps/AWS** tools such as **Chef, Vagrant, Virtual Box, Puppet, Ansible, Jenkins, Maven, ANT, SVN, GIT,** and **Docker.**
* Excellent knowledge on **Java/J2EE** and also the ability of developing XML, HTML, Shell Scripts and Perl Scripts.
* Experience working on migrating applications from internal data center to **AWS** instances by setting **Security Groups, Elastic Load Balancer and AMIs, Auto Scaling** to design cost effective, fault tolerant and highly available systems.
* Experienced with both framework and cloud formation to automate **AWS** environment creation. Ability to deployment on **AWS**, using build scripts (**Boto 3 & AWS CLI**) and automates solutions using **Shell** and **Python.**
* Strong knowledge and experience on **AWS** Cloud services like **EC2, S3, EBS, RDS, VPC**, and **IAM** also familiar with **Cloud watch**, **Elastic IP’s** on AWS.
* Built the **AWS** cloud formation templates to deploy the **AWS** **stack** by setting up Auto scale for instance group using AWS command line tools and AWS cloud environment for **Dev/QA** environments.
* Managed Linux and Windows virtual servers by configuring and monitored distributed and multi-platform servers using **Chef** on **AWS EC2.**
* Build highly available content distribution sites by using CI/CD tools like **Chef, Ansible, Docker, Maven, Jenkins, Jira, etc.**
* Worked with **Docker** and **Kubenetets** on multiple cloud providers, from helping developers build and containerize their application (**CI/CD**) to deploy either on public or private cloud.
* Experienced in Linux container orchestration with **Docker**, **Kubernetes**, **CoreOS**, **ETCD**, and more.
* Development of automation clusters with **Ansible** by writing playbooks and excellent understanding and hand-on expertise in creating new custom resources in **Kubernetes**.
* Managed on-site OS/Applications/Services/Packages using Chef as well as **AWS** for **EC2/S3/Route53 & ELB** with Chef Cookbooks.
* Experience in migrating **Heroku** hosted Mean stack applications to **AWS** **EC2** instances and Setup CI/ CD for **Docker** applications auto deployment through **Jenkins**.
* Hands on experience on working with system health and performance monitoring tools like **Nagios**, **Splunk**, **Cloud** **Watch**, **New** **Relic**, **Elastic** **search**, **Kibana**, **App** **Dynamics** etc.
* Experienced in Automating, Configuring and deploying instances on **AWS**, **Azure** and **GCP** cloud environments and **Data centers**.
* Experienced in cloud automation using **AWS** **Cloud** **Formation** templates, **Python**, **Ruby**, **Chef**, **Puppet**.
* Wrote recipes and cookbooks and uploaded them to the **Chef** server and developed and modified **Chef** Cookbooks as Light Weight Resources Provider(**LWRP**)
* Worked with **Chef** Enterprise Hosted as well as On-Premise, Installed Workstation, Bootstrapped Nodes and rewrote many **Puppet** **modules** to modern code-quality standards.
* Experienced in Branching, Merging, Tagging and maintaining the version across the environments using SCM tools like **GIT**, **Subversion** (SVN), **CVS** on **Linux** platforms.
* Setting up the new repos, managing the permissions for various **GIT** branches. Creating ADHOC **GIT** stashes.
* Created post commit and pre-push webhooks using **Python** in **SVN** and **GIT** repository.
* Configured and maintained **Jenkins** to implement the **CI** process and integrated with **Ant** and **Maven** to schedule the builds.
* Extensive experience using **Maven** and **Ant** for building of deployable artifacts from source code to write **Pom.xml** and **Build.xml** respectively.
* Extensive knowledge in **Microsoft Visual Studio, VSTS, Visual Studio IDE**
* Setup **V2 Docker**registry for local image storage/management and worked on installation of **Docker** using **Docker** toolbox and worked on creation of custom **Docker** container images, tagging and pushing the images.
* Used **Docker RegistryAPI** to interact with the registry. Worked on installing of Docker using **Docker toolbox**. Created Docker images using a Docker file. Worked on **Docker** container snapshots, removing images, and managing **Docker** volumes.
* Supported **API** development team in creating **Ansible playbooks** for deploying, integrating and monitoring their continuous integration environment.
* Excellent knowledge about databases and schemas and good hands-on experience with **MySQL**, **Microsoft** **SQL** **Server**, **PostgreSQL** and performed a multi-AZ deployment with **AWS** **RDS**.
* Designed, configured and deployed Microsoft **Azure** for a multitude of applications utilizing the AZURE stack(Including Compute, Web & Mobile, Blobs, Resource Groups, **Azure** **SQL**, Cloud Services, and ARM), focusing on high-availability, fault tolerance, and auto-scaling.
* Extensively used **Spring** **Framework** features like Spring MVC, Spring DI, Spring AOP, Spring JDBC templates, Spring Boot.
* Developed new public facing website built with Ruby on Rails, Backbone.js, Redis and deployed on **Heroku**
* Interface with a version of **Nagios** to create new monitoring and view existing, redesigned and redeployed the **Nagios** implementation.
* Experience with EDI development, implementation and data mapping, translating, understanding EDI formatsandworking with **Kafka.**
* Integrated **Nagios** with other monitoring/alert solutions/application logs server (**Splunk**) to detect Prod issues.
* In-depth knowledge of computer applications and scripting like **Shell, Python, Ruby, Perl, JavaScript.**
* Used **Atlassian JIRA/HP Quality Centre** as a Change Management/Work Management/**SCRUM** Agile Tool, managed users, workflow, groups and projects in **Atlassian JIRA**.
* Hands on experience in **Hibernate**, **Spring**/**Struts**, **JQuery**, **Bitbucket**, **Bamboo**, **Selenium**.

**Technical Skills:**

|  |  |
| --- | --- |
| **AWS Services** | RDS, EC2, VPC, IAM, Cloud Formation, EBS, S3, ELB, Auto Scaling, Cloud Trial, SQS, SNS, SWF, Cloud Watch |
| **Cloud Platforms** | OpenStack, Google Cloud Platform, Heroku, Microsoft Azure,Aws Cloud |
| **Version Control Tools** | GIT, Hudson, Bitbucket, Subversion(SVN),CVS, Microsoft Visual Studio |
| **Build Tools** | Maven, Ant |
| **Configuration &Automation Tools** | GitLab, CircleCI, Puppet, Ansible, Chef, Jenkins, Bamboo |
| **Container Platforms** | Docker, Kubernetes, OpenShift, CoreOS |
| **Monitoring Tools** | Nagios, Cacti, Zabbix, Splunk |
| **Languages** | PERL, Python, Ruby, XML, YML, Shell, Groovy |
| **Framework** | Spring 4.2.x, Struts 2.3.x |
| **Web Servers** | Apache2.0/2.2/2.4, Apache Tomcat5.5/6.0/7.0 |
| **Application Servers** | WebSphere, WebLogic, JBOSS |
| **Operating Systems** | Microsoft Windows XP/ 2000, Linux, UNIX |
| **Tracking Tools** | Remedy, Jira |
| **Software** | Veritas File System and Volume Manager, LDAP, Checkpoint Firewall |
| **Databases** | Oracle 9i/10g, DB2, SQL Server, Mongo DB |
| **J2EE Technologies &****Web Services** | Servlets, JSP, JDBC, Spring MVC, SOAP, Rest, UDDI |

**Work Experience:**

**Sr. AWS Cloud Engineer Oct 2018 to Till Date**

**Altice One, Bethpage,NY**

**Responsibilities:**

* Responsible for using **AWS** Console and Command Line Interface for deploying, operating, setup and build **AWS** services specifically VPC, EC2, S3, EBS, IAM, ELB, Cloud Formation, Cloud Watch, Security Group, Auto Scaling, KMS Dynamo DB, Code Commit, Code Deploy, Direct Connect Redshift, Lambda Services, EMR, Elastic Search and RDS in Cloud Formation JSON templates.
* Working on multiple **AWS** instances by setting services like **Route53, SES, SQS**, **SNS** and created and administered **DNS** system using **Route53**.
* Worked with full **AWS** **stack** (Kinesis Firehose, Lambda server-less, Cognito IAM, Blue-Green deployment).
* Provisioned the highly available **EC2** instances using **Terraform** and **Cloud** **Formation** and wrote new plugins to support new functionality in **Terraform**. Managed **AWS** infrastructure as code using **Terraform**.
* Installed Pivotal Cloud Foundry on **EC2** to manage the containers created by PCF. And deployed application on PCF using CF push and **Urban** **code** **deploy**.
* Created private cloud using **Kubernetes** that supports dev, test, and prod environments and scheduled, deployed and managed container replicas onto a node cluster using **Kubernetes.**
* Containerized applications with **Kubernetes** cluster played a key role in building in-house **PaaS** environment.
* Researched and developed scalable Linux deployments on AWS via **CoreOS** and **Docker** and used **Docker** **Compose** to develop dependent instances to be deployed in the EC2 platform.
* Designed and worked with team to implement **ELK** (Elastic search, Log stash and Kibana) Stack on AWS.
* Created AWS **RDS MySQL DB** cluster and connected to the database through RDS MySQLDB Instance using the Amazon RDS Console.
* Used **Terraform** in **AWS** **VPC** to automatically setup and modify settings by interfacing with control layer.
* Experience with **S3** **Bucket** services like creating buckets, managing policies, configuring buckets with permissions, logging, versioning and tagging and used **S3 Bucket** and **Glacier** for storage and backup on AWS.
* Implemented a server-less architecture using API Gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from **S3** **Buckets**.
* Worked on AWS **Cloud** **Watch** for monitoring the application infrastructure and used **AWS** email services for notifying & configured **S3** versioning and lifecycle policies to and backup files and archive files in **Glacier**.
* Worked on migrating the on-premises application from its physical **Storage** **Racks** to AWS by using EC2,S3.
* Migrated the on-premises **MySQL** & **PostgreSQL** databases to **AWS Dynamo DB** by using **EC2**, **RDS** and Unmanaged cloud data migration tools like **Rsync**, **S3** **CLI** and **Glacier** **Vault**.
* Served application data using **Lambda** functions to store data in NOSQL database **Dynamo** **DB.** Configured **REST** **API's** using API Gateway that hit lambda which in turn invokes lambdas to do necessary operations.
* Installed Redshift on AWS and imported the legacy data from **Oracle** to **Redshift**. Participated in integration of applications with existing **API’s**.
* Used **Redshift** to deliver fast query and I/O performance for virtually any size dataset by using columnar storage technology and parallelizing and distributing queries across multiple nodes.
* Using **Chef** deployed and configured Elastic search, Log stash and Kibana (**ELK**) for log analytics, full text search, application monitoring in integration with **AWS** **Lambda** and **Cloud** **Watch**.
* Implemented and maintained **Chef** and **Ansible** configuration management spanning several environments in **VMware** and **AWS** cloud.
* Written **Chef Cookbooks** for various DB configurations to modularize and optimize product configuration, converted production support scripts to Chef Recipes and AWS server provisioning using Chef Recipes.
* Hands on experience with **Chef** and **OpsWorks** in AWS cloud environment including **SSRS** and **SSAS.**
* Developed multiple **Chef** Cookbooks, Chefspec, Berkshelf, Kitchen, Chef Compliance, Recipes and Roles and **Ansible** playbooks to automate the deployment of the applications to different Prod/ QA environments.
* Created **Ansible** playbooks for different environments for releases and converted **Puppet** scripts into the **Ansible** Playbooks.
* Developed automation scripting in **Python** (core) using **Puppet** to deploy and manage Java applications across **Linux** servers.
* Responsible for the creation of scripts using **Ant, Python** and **Unix** by hosting on application servers.
* Participated in **GitLab** POC and migrated all repos from **GitHub** to **GitLab**. Integrated **GitHub** and **GitLab**, **Gradle** with **Jenkins** to implement the continuous integration process.
* Created featured develop, release branches in **Bitbucket/GIT** for different application to support releases and CI builds and build, configured and supported Application team environments.
* Integrated **GIT** into **Jenkins** to automate the code check-out process by defining Release Process & Policy for projects early in **SDLC**.
* Configured and maintained **NFS, DNS** clients systems for **AIX**, **Linux** and **Solaris** Servers.  And handled multiple **Linux/CentOS** servers for application deployment and management.
* Responsible for working on several **Docker** components like Docker Engine, Docker Hub, Docker Compose, Docker Registry and Docker Swarm.
* Worked on **Docker** container snapshots by attaching to a running container, removing images, managing directory structures and managing containers.
* Experienced with release engineering, configuration management in **Tomcat** web application environment and worked on issues like heap, non-heap memory and designed application for Mobile UI & responsive websites.
* Integrated the application with **Spring** **MVC** using Spring Boot, Spring Dependency Injection (DI), and Spring Annotations and used **Spring** **Boot** for the application development.
* Experience in using open source monitoring tools like **Zabbix**, **Nagios, Cacti** and good knowledge in **Splunk**.
* Followed **ITIL** standards to work on Incidents, Service Requests and Change Requests.
* Created **JIRA** issues to prioritize and take an action on what's important, and stayed up to date with what's going on around the project.

**Environment**: AWS, PCF, Docker, Kubernetes, Jenkins, Java/J2EE, MAVEN, Cucumber, Gherkin, Oracle, Cassandra, Tomcat, Perl , Python Shell Scripts, XML, Data Center, ANT, UNIX, Windows 7, Spring, Service Now, Subversion (SVN), Nagios.

**DevOps Engineer/Chef Automation Feb 2017 to Oct 2018**

**PepsiCo, Plano,Tx**

**Responsibilities:**

* Experience in working on version control systems like **Visual Studio, Subversion**, **GIT** and used Source code management client tools like **Visual SVN, Tortoise SVN, SVN X, Uber SVN, Stash, Source Tree, GIT Bash, GitHub, GIT GUI** and other command line applications etc.
* Experience working with provisioning tools such as **Terraform**, **Cloud** **Formation**, **Spinnaker** and used **Docker**, **Kubernetes** and **OpenShift** to manage micro services for development of **CI/CD.**
* Configured **Azure** for Service Fabric Cluster installations and implemented and deployed on **On**-**Premise** environments and responsible for all **AD**, **SQL**, **Load** **Balancing**, **NSG's**, and **VPN** configurations for **Azure**.
* Performed technical assessment works on transformations of cross-platform applications to **Pivotal Cloud Foundry (PCF)** on Docker containers across LOBs and the implementation of micro services in **PCF**.
* Ensured, successful architecture and deployment of enterprise grade PaaS solutions using Pivotal Cloud Foundry (**PCF**) as well as proper operation during initial application migration and net new development.
* Implemented continuousintegration and deployment using **VSTS** (Visual Studio Team Services) to **Azure.**
* Implemented CI/CD by allowing deploying on multiple client **Kubernetes**/**Azure** environments.
* Implemented container management using **Docker** by writing Docker files and set up the automated build on **Docker** **HUB** and installed and configured **Kubernetes**.
* Worked on **Docker** **Compose** to schedule multiple containers and written compose.yml files to configure and scale multiple application services and designed distributed private cloud system solution using Kubernetes (Docker) on **CoreOS**
* Managed local deployments in **Kubernetes** creating local cluster and deploying application containers.
* Involved in using **Rancher** to provide a complete platform for operating **Docker** in production by creating files and structure needed to run Docker images through our private **Rancher** **Catalog**.
* Worked on the deployment, configuration, monitoring and maintenance of **OpenShift** Container Platform.
* Used **OpenShift** to improve application security by adding admin consoles on different **Docker** containers accessible only from unusual port numbers.
* Installed **NFS** servers as **OpenShift** storage backend and configured various storage claims for developers.
* Part of DevOps team responsible for containerization efforts and migration of Java apps to **OpenShift**.
* Leaded an active integration effort for building out **PaaS** with **Redhat** **OpenShift**, **Dockers** and working with developers on application containerization effort.
* Managed **Maven** project dependencies by creating parent-child relationships between Projects and used **Jenkins** as a continuous integration tool for automation of daily process and worked with **Jenkins** Pipelines.
* Experience in setting up Upstream and Downstream jobs **Jenkins** and **Hudson.**
* Installed/configured and managed **Puppet** **Master**/**Agent** and wrote custom Modules and Manifests for up gradation or Migration of Puppet community and Puppet Enterprise.
* Maintained automated environment using **Chef Recipes** and by developing **Cookbooks** from scratch and wrote recipes, scripts, monitoring checks and developed **LWRP's** for the cookbooks
* Implemented Test Driven Development (**TDD**) approach for writing Chef Cookbooks using Test-Kitchen, BerkShelf, Food Critic, Chef Spec.
* Created **Power** **Shell** Scripts to patch **DLLs** across various servers and to automate database deployments (Dachas) using **SSDT**. And written **Shell** **Script**, **PL**/**SQL** stored procedure, functions, triggers and packages.
* Intensive involvement in Infrastructure as Code (**IAC**), execution plans, resource graph and change automation using **Terraform**.
* Deployed **JAVA/J2EE** applications through WebLogic/WebSphere application servers in a multi clustered high availability environments and experienced with J2EE Technologies like Servlets, JSP.
* Assisted with development work using various Java/JEE technologies like **Spring** and **Hibernate** as needed.
* Involved partially in deploying **WARs/EARs** (backend) through Web Logic Application Server console.
* Knowledge in using remote gateway **Citrix** **XA/XD**, **NetScalar**, **NFS**.
* Comfortable and flexible with installing, updating and configuring various flavors of **UNIX** and **Windows**.
* Implemented test driven development, executed **Junit** test plans using Icarus Gallio platform.
* Worked as **SIT** test lead to handle 2 different projects which followed **Agile** methodology.
* Worked on **Zabbix** monitor tool setup for monitoring our applications and Linux VM’s. Checked the **Splunk** and **Grafana** logs on the cluster servers and monitoring.
* Knowledge on the in-house monitoring tool **VCMS**, experience with **Splunk**, **Zabbix** for Resource Monitoring/Network Monitoring/Log Trace Monitoring.
* Experience working on user admin groups, maintaining account and monitoring system performance using **Nagios.**
* Involved in setting up **Atlassian** **Jira** as defect tracking system and configured various work flows, customizations and plug-ins for the Jira bug/issue tracker.

**Environment:** Azure, PCF, Jenkins, GIT, Docker, Kubernetes, OpenShift, Puppet, Maven, Chef, WebLogic, WebSphere, Apache, VMware ESXi, VCAC, VMware View, NSX, NetScaler, VMware Lab Manager, VMware converter, P2V, V2V, VMotion, Splunk, Zabbix, RHEL.

**Build & Deployment Engineer Jan 2016 to Feb 2017**

**Wells Fargo, charlotte,NC**

**Responsibilities:**

* Deploy and monitor scalable infrastructure on Amazon web services (AWS configuration management) using puppet.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/Ubuntu) and Configuring launched instances with respect to specific applications.
* Written cookbooks for various packages and installed them on VMs to perform QA testing.
* Responsible for managing the Chef Client nodes and upload the cookbooks to chef-server from Workstation.
* Set-up Jenkins AWS Code Deploy plugin to deploy to AWS.
* Integrated Amazon Cloud Watch with Amazon EC2 instances for monitoring the log files, store them and track metrics.
* Created AWS S3 buckets, performed folder management in each bucket, Managed cloud trail logs and objects within each bucket.
* Configured S3 to host static web content and deployed cloud stack using AWS Opswork.
* Configured the load Balancers and VPC with private subnets and had a good knowledge on troubleshooting for the connectivity issues.
* Understanding the client environment, Administrating and creating solutions using CI/CD,GIT,DOCKER
* Having Goodexperience in and Build & Release Management, Software Configuration activities and Deployment activities for software applications.
* I have very good experience and knowledge about configuration management Tools like CHEF ,PUPPET andANSIBLE
* Written custom resources and used Chef Handlers for various auto kick-off requirement jobs.
* Using Jenkins AWS Code Deploy plugin to deploy to AWS.
* Wrote Python/Shell Scripts to Monitor Variety of Services &Perl Scripts with Hash/Arrays to Insert/Delete/Modify content in multiple servers.
* Performed SVN to GIT/Bit Bucket migration and managed branching strategies using GIT flow workflow. Managed User access control, Triggers, workflows, hooks, security and repository control in Bit Bucket.
* Used AWS cloud services to launch Linux and windows machines, created security groups and written basic Power Shell scripts to take backups and mount network shared drives.
* Created the files and structure needed to run Docker images through our private Rancher Catalog.
* Worked on Openshift implementation for end to end Build and deployment process in the form of docker containers.
* Implementing new build framework using Jenkins & maven as build framework tools.
* Implementing a Continuous Delivery framework using Chef Maven & Nexus in Linux environment.
* Worked on GIT Distributed Version Control System.
* Configuring Elastic Load Balancers with EC2 Auto scaling groups.
* Configured servers to host Team Foundation Server (TFS) instance, build controllers and build agents
* Manage deployment automation using Chef and Custom Chef Modules.
* Wrote Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using Python. Run Ansible Scripts to provision Dev servers.
* AWS Cloud management and Puppet automation.
* Created puppet manifests and modules to automate system operations. Created monitors, alarms and notifications for EC2 hosts using Cloud Watch.
* Integration of ANT/Nexus, Jenkins, Urban Code Deploy with Patterns/Release, Confluence, Jira and Cloud Foundry.
* Using Jenkins AWS Code Deploy plugin to deploy to AWS.
* Configured the Ansible playbooks with Ansible Tower so that other users can run them with just a push of a button.
* Demonstrated on Ansible along with Ansible Tower can be used to automate different software
* Implemented the Master slave architecture to improve the performance of Jenkins.
* Troubleshoot the issues raised in Jenkins while using for continuous integration and deployment
* Conducting analysis on ANT build projects for conversion and converting to MAVEN build projects.
* Installed Chef-Server Enterprise On-Premise/WorkStation/ Bootstrapped the Nodes using Knife.
* Worked on Ansible to automate the process & Deployment.
* Worked on Ansible Tower to monitor different kinds of project’s & Hosts for Different Business unit in our company.
* Depends on Application requirement Sometimes I used to work on Java based application like Spring boot Application And I used to implement the process by using java program

**DevOps Engineer Aug 2015 to Dec 2015**

**BlueCross Blue Shield, Chicago, IL**

**Responsibilities:**

* Extensively worked on **Jenkins**/**Ansible**/**Bamboo**/**Docker** for configuring and maintaining continuous integration (CI) and for End to End automation for all build and deployments.
* Performed configuration, deployment and support and architected infrastructure of cloud services on Google Cloud Platform **(GCP)** and automated the infrastructure using **GCP** Cloud Deployment Manager.
* Wrote server side code for **Google** **Cloud** **Platform** based applications, create robust high-volume production applications, and develop prototypes quickly.
* Provided thought leadership for cloud developer technology inside Google and collaborate with cross-functional engineering teams to streamline or improve adoption of Google Cloud Platform(**GCP**).
* Maintained the user accounts (IAM), Cloud SQL, Cloud DNS, VPC, RDB, Cloud Datastore Cloud Bigtable, SES, SQS and Cloud Pub/Sub services in **Google** **cloud** **platform**.
* Consistently used **ELK** (Elastic search, Log stash and Kibana) stack to develop an end to end transaction processing system and analyzed the logs data and filter required columns by Log-stash configuration and send it to Elastic-Search.
* Installed **Chef** Server enterprise On-Premise/WorkStation/Bootstrapped the Nodes using **Knife**.
* Installed and configured **Jenkins, ClearCase** in Linux environment and automated processes using Jenkins.
* Used **Ansible** to automate the **GSLB** failover between data centers and then integrated with **Marvin Slack BOT**.
* Created Power Shell Scripts to patch **DLL’s** across various servers and also to automate database deployments (Dachas) using **SSDT**.
* Installed different application in **Hadoop** ecosystem and its integration and focused on automating tasks using scripts and integration.
* Used **MySQL**, **DynamoDB** and **Elasticache** to perform basic database administration.
* Implemented and maintained the branching and build/release strategies utilizing **Subversion**.
* Automated the deployment process using **Python** scripting, **Fabric** and **Jira-python modules**.
* Created scripts in **Python** which integrated with **Google** **API** to control instance operations.
* Used **Sonar** to measure the code quality, and integrated **Jenkins** with Sonar.
* Involved in setting up CI and daily builds using **Bamboo** with **Artifactory** repository manager.
* Created and configure jobs, script builder, custom command builder, agents in **Bamboo**.
* Analyzed and optimized one of the Capital One's application to remove bottlenecks from real-time transactions using **Python** and **Apache** **Kafka**/**Confluent** providing **Docker** based implementation for team and servers.
* Installed **Heroku** gem, hosted end-to-end **Heroku** project and deployed application to **Heroku**.
* Implemented **Nginx** reverse proxy as SSL endpoint to ensure secure connection to **Heroku** with custom domain and to improve page load times by serving cached static content.
* Scripting of administration tasks using **CLI**, **Power** **Shell**, **Shell** and **Ruby**. Built upstream and downstream jobs in **Jenkins** to build and deploy onto different environments.
* Created full automation and continuous integration, faster and flawless deployments using **Ant, Jenkins, Puppet** by writing **Maven** and **Gradle** scripts to automate the build process and used **ANT, Puppet** scripts with Ivy to build the application and deploy.
* Worked on **Maven** to create artifacts from source code and deploy them in **Nexus** central repository for internal deployments.
* Implemented continuous integration using **Hudson**, which tracks the source code changes and installed, maintained configuration of **Kafka** confluent modules.
* Supervised and guided team to establish quality and CM standards as per **Agile** methodology and implemented the agile templates in **TFS**.
* Setup the security, roles and responsibilities for different groups of Team Projects using **TFS** **2013** and **TFS** **2015** Admin Console and installed single and multi-tier TFS 2013 server.
* Worked with monitoring systems and tools like **Nagios**, **CloudWatch**, **Grafana**, **Data** **Dog** etc. Optimized quires for accurate results from visualization graphs and end to end infrastructure monitoring using **Grafana**.
* Created and maintained tailored **Agile** methodology using **Jira** as tracking and workflow tool.

**Environment**: GCP, Hadoop, BigData, ClearCase, Subversion, Hudson, Maven, Gradle, Nexus, Bamboo, Anthill pro, Linux, Python, Fabric, Jenkins, Git Bash, Grafana, Kornshell, Jira, Basecamp, ESXi, RHEL, TFS 2013 & 2015.

**Build and Release Engineer May 2013 to July 2015**

**Cian Infotek, Bangalore, India**

**Responsibilities:**

* Participated in the release cycle of the product, which involves environments like **Development, QA, UAT** and **Production** and involved in **Project Development, Bug Fixing** and **Unit Testing.**
* Used **SVN** as source code management tool for creating, cloning the repo, adding, committing, pushing the changes in the local repositories, saving changes for later (**Stash**), recovering files, branching, creating tags, viewing logs, pulling latest commits, **Pre** and **Post**-**commit** hook scripts etc.
* Implemented build automation and build pipe development using **Maven** build automation for **J2EE** Apps.
* Experienced in authoring **pom.xml** files, performing releases with the **Maven** release plug-in, modernization of Java projects and managing Maven repositories.
* Installed, configured **Anthill Pro** for automating deployments and providing a complete automation solution.
* Configured new **Bamboo** servers for auto deployment of daily snapshots for testing.
* Build new automated tools using **Shell** programming, **PHP** Development, **Perl**, **AWK**, and **SED**.
* Build **ETL** processes utilizing **SSIS** and **DTS**, including **FTP** data from remote location, transform it, mart it to data warehouse and provide proper error handling and alerting.
* Developed **Shell** scripts for automation purpose and wrote a build and deployment scripts per **SCM** team standards and processes to QA, Performance and Production environment.
* Worked on **SSDT** composite project to reduce the time latency of project builds.
* Involved in release and deployment of large scale C#, Web services and Web applications using TFS & release management.
* Used **Ruby** **RSpec** framework and wrote test cases for regression and to resolve refactoring problems.
* A solid understanding of IP based networking like **DNS**, **Load** **Balancing**, **GSLB**, and **HTTP** response codes.
* Developed batch jobs using **SSIS** for importing application data into the system.
* Merged release branches to the trunk after the production release and resolved the conflict rose during the merge in **Subversion.**
* Imported and managed multiple corporate applications in **Subversion (SVN)**.
* Developed and enforced new build and deployment procedure to better align Delta's development procedures with proven **SDLC** best practices.
* Managed source code, software builds, software versioning, and defect tracking on all software maintenance tasks and projects.
* Maintain release plan, manage release content, communicate release status and analyze functional and technical dependencies among projects and maintenance of releases.
* Build, manage, and continuously improved build infrastructure for global software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment tools.
* Documented the build and deployment process which could be used by the team if found any issues at the time of build and deployment of different applications to different environments.
* Participated in weekly release meetings with technology stakeholders to identify and mitigate potential risks associated with the releases.
* Release Engineer for a team that involved different development teams and multiple simultaneous software releases and provided level one support for all the build and deploy issues encounter during the build process.
* Involved in developing the **UI** pages using HTML, DHTML, CSS, JavaScript, JSON, jQuery, Ajax.
* Developed and tuned the jobs in **Java**, **JDBC**, **String** **Manipulation**, **Spring** and **Hibernate**.
* Created Request for Proposal micro-services to provide **RESTful** **API** utilizing Spring Boot with Spring MVC.
* Facilitated project management using **Atlassian** **JIRA** for all sprints and achieved 100% on target rate for timely completion on assignments during bi-weekly planning.

**Environment:** Subversion, Shell, Ruby, Bamboo, Hudson, Ant, Maven, Apache Tomcat, Web Sphere, Hudson, Java, J2EE, Spring Framework, JDBC, Hibernate.

**Unix/Linux Administrator April 2012 to April 2013**

**Solution IT, Hyderabad, India**

**Responsibilities:**

* Involved in design, configuration, installation, implementation, management, maintain and support for the Corporate Linux servers **RHEL 4.x, 5.x, SLES 9, CENTOS 5.x.**
* Installation, integration and management of data backup/recovery solutions. Management and configuration of **VMWare** virtual machines running **Oracle/Sun Solaris X86/64, Red Hat Enterprise.**
* Installed, configured and administered Web Servers like Apache HTTP Server, Apache Tomcat and Sun One Web Server for **WebLogic** plug-ins.
* Created **RESTful** **Web** **Services** for external clients and users by reusing existing components.
* Tested **Web** **Services**/**XML**/**SOAP** and **RESTFUL** services using Soap UI tool and experience in writing Test Plan, Test Cases for Web and Client/Server applications.
* Implemented modules in **SOA** platform to support various integration styles which includes **SOAP**, **REST**, and **XML** over **HTTP** and **JSON**.
* Installed new / existing servers and configured services, settings, directories, storage, etc. in accordance with project/operational requirements.
* Manages Patches configuration, version control, service pack and reviews connectivity issues regarding security problem.
* Responsible for Creating and Managing User accounts, password, security, rights, disk space and process monitoring in **CentOS, Red hat Linux and Solaris.**
* Experience troubleshooting **Linux**system, security related issues, capturing packets using tools such as IPtables and Firewall. Administration, package installation, package management, setting up repositories, applying patches using **YUM** and **RPM.**
* Experienced in providing day-to-day user administration like adding/deleting users in local and global groups on **Red Hat Linux platform** and managing user's queries.
* Responsible for creating and managing user accounts, security, rights, disk space and process monitoring in **Solaris, CentOS and Red hat Linux.**
* Managed systems routine backup, scheduling jobs, enabling cron jobs, enabling system logging and network logging of servers for maintenance.
* Extensive experience in User Administration with creating users, groups, and giving permissions Created and maintained user accounts, profiles, security rights, disk space and process monitoring, e.g. reset password and unlock locked user account.
* Installation, Configuration and maintenance of **VMware** in an Enterprise Environment and configuring Virtual Machines on the VMware host.
* Monitored and managed performance of **ESXi** servers and **VM’s** using Virtual center server for **HA,** **DRS**.
* Responsible for providing day-to-day technical support of the **ESXi**, **Windows**, **VM’s** and operational administration of the technology infrastructure.
* Installed and configured **F5** load balancer and firewalls with **LAN**/**WAN** configuration and configured multiple **IP** **Addresses** for forward and dynamic routing.
* Handled the **VMware** solutions to support multiple storage connectivity options such as **FC-SAN**, **iSCSI**, **NFS** (**NAS**) and internal storage. Installed, configured and maintained the Linux servers and workstations.
* Setting up user and group login ID's, printing parameters, network configuration, password, resolving permissions and access related issues via **ACL**.

**Environment:** ESXi, Sun Solaris 8/9, Red Hat Linux 8,9.0, Samba, Sun fire (210, V240, V440, V490, V880,1280) Servers, HP DL-320/360/380/560/580L servers, EMC storage devices, Tivoli Storage Manager 5.x, web sphere, Oracle 8/9i/RAC, Apache 2.x/3.x.

**Education:**

**Bachelor of Technology – Computer Science & Engineering Andhra Pradesh, India**