**PROFESSIONAL SUMMARY:**

Over 8 years of IT experience as DevOps/Build and Release Engineer and Cloud AWS deployments, which includes Project Setup, Build Automation, Continues Integration and also experienced as Linux Admin. Experience in Chef, Puppet, Jenkins, Application Server, Redhat Linux, Apache Tomcat.  Excellent communicator, quick learner and adapts to emerging technologies.

* Experience in UNIX/LINUX systems and Network Administration in the areas of Designing, Planning, Installing and Configuring Linux Flavors (Centos, RHEL, Sun Solaris, Ubuntu), Windows Server 2008-r2/2012-r2 under DevOps Culture.
* Experienced in Software Development Life Cycle (SDLC), Agile Methodologies, Waterfall processes, Project Management and Project Release.
* Experienced in working in each phase of the Software Development Life-Cycle (SDLC) with specific focus on build and release of quality software.
* Experience with TFS Project management, WorkItems, Process Templates, Kanban boards.
* Worked on Installation, Configuration and Troubleshooting on a range of Amazon images like Amazon Linux AMI like Redhat 4.x, 5.x, Ubuntu 12.x, and 13.x using Amazon AWS EC2 cloud services.
* Performed patching of Linux & Solaris servers on regular schedule. Involved in up Network/SAN installations using kick-start and Jumpstart.
* Experienced in static code analysis tool SonarQube right from setup to configuration in Jenkins and analyzing the different programming languages like Java, C# and JavaScript and Power Shell.
* Used C#.NET as language to develop code behind business logic.
* Had experience with building code from Ant, Maven, MS build, build scripts to the build deployment scripts on Apache, Tomcat, IIS, & Web-Logic
* Good knowledge on Cloud and Virtualization environments such as Amazon Web services and Azure cloud platforms.
* Experience in multi platforms like UNIX, Ubuntu, RHEL and Windows production, test, and development servers.
* Experienced in Hudson and JENKINS for continuous integration and for End-to- End automation for all build and deployments. Working knowledge on Team City and Bamboo.
* Used scripting languages like Python, groovy, Perl, Bash and configuration management tools Chef, Puppet, and Ansible tools and Web Service like AWS.
* Worked with Ansible playbooks for virtual and physical instance provisioning, configuration management, and patching and software deployment.
* Experience on Virtualization technologies like VMware, Vagrant.
* Expertise in Team Foundation Server (TFS) Administration with extensive experience on install, upgrade, configure and administer Microsoft TFS 2010, 2012, 2013, 2015, TFS 2017 and TFS 2018.
* Created Databricks notebooks using SQL, Python and automated notebooks using jobs and created Spark clusters and configuring high concurrency clusters using Azure Databricks to speed up the preparation of high-quality data.
* Deployed an Azure Databricks workspace to an existing virtual network that has public and private subnets and properly configured network security groups.
* Expertise in Core Java concepts like OOPS, Multithreading/Synchronization, Collections Framework, Exception handling
* Having working knowledge on MVC design patterns with webservices deployed dot net and C# applications using TFS.
* Worked with different Bug tracking tools like JIRA, Remedy, HP Quality Centre and IBM Clear Quest.
* Involved in supporting VMware ESX cluster environments managing 400+ VM’s running Linux and Windows environments. Worked on AmazonS3 (storage), Amazon EBS (persistent disk storage), Auto scaling, AWS Elastic Beanstalk and Cloud Watch (monitoring).
* Deployed Apache Zookeeper, Kafka and Cassandra servers on AWS Cloud
* Used Kubernetes to deploy containers inside a cluster.
* Hands on experience in using the server related release management like **Bamboo,** alsoused **Bamboo CI/CD** as release help server.
* Experience with container-based deployments using Docker, working with docker images, docker hub and docker registries.
* Experienced in migrating a production infrastructure into an Amazon Web Services utilizing AWS Cloud formation – ARM Templates, U Code Deploy, Chef, EBS, and Ops Works.
* Deployed Dockers Engines in Virtualized Platforms for containerization of multiple apps.
* Experience in Migration & deployment of Applications with upgrade version of Application & Hardware, MS build, batch script, IIS and Jenkins Administrator.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Cloud Environments** | Azure, AWS, Google Cloud (GCP) |
| **CI/CD Tools** | CloudBees Jenkins/Hudson, Team City, Maven, SonarQube, Nexus Artifactory. |
| **Operating Systems** | Red Hat Linux, CentOS 6 & 7, Ubuntu12.x, 13.x, 14.x, Windows 98, Vista, Windows Server 2003, 2008, 2012, VMware ESX and Mac OS. |
| **Web/ Application Servers** | Apache Tomcat, WebLogic, JBoss 5.x/6.x/7.x, Web Sphere Administration, IIS and Nginix. |
| **Databases** | MySQL, MemSql, Oracle, MySQL, Mongo DB, PostgreSQL, RDS, ElastiCache |
| **Version Control Tools** | Subversion, TFS, GIT, GIT HUB, SVN, Bitbucket. |
| **Configuration Management** | Ansible, Chef, Puppet |
| **Container Tools** | Kubernetes, Docker, OpenShift |
| **Monitoring Tools** | Dynatrace, Grafana, Nagios, Splunk, AWS cloud watch, ELK |
| **Scripting Languages** | Ruby, Python, Golang, groovy, Unix Shell scripting, Node JS, XML, HTML, JAVA, JEE, JavaScript, Angular JS, Power Shell, JSON, YAML, AWS Lambda. |
| **Bug Tracking & Testing tools** | JIRA, J Unit, J Meter Test Flight, Test Rail, Selenium. |
| **Networking** | TCP/IP, NFS, DNS, VPN, DHCP, WAN, HTTP, LAN, FTP/TFTP, VMware, Nexus switch, IP Networking, F5 load balancer. |

**EDUCATIONAL & CERTIFICATIONS**

* AWS Developer Associate/DevOps Professional
* Azure Administrator Associate
* Electrical and Electrics Engineering from JNTUK 2014

**PROFESSIONAL EXPERIENCE:**

**Client: Blackhawk Networks Jan 2019 - Till Date**

**Role: Sr. DevOps Engineer/Azure Administrator**

**Responsibilities:**

* Administrating and supporting company’s Azure Kubernetes infrastructure, ensuring it is secure, resilient and performance and responsible for complete DevOps activities and coordinating with development team.
* Working as Kubernetes Administrator, involved in configuration for web apps, Azure App services, Azure Application insights, Azure Application gateway, Azure DNS, Azure traffic manager, App services.
* Worked on Azure Databricks to use custom DNS and configure network security group (NSG) rules to specify egress traffic restrictions.
* Working Experience on Azure Databricks cloud to organizing the data into notebooks and making it easy to visualize data through the use of dashboards.
* Configured V-net integration, Active directory, Encryption and security on Azure using ARM templates and PowerShell scripts.
* Responsible to configure alert notification to monitor CPU metrics, VM health’s and events logs.
* Deployed VNETs and site-site VPN using PowerShell and deployed VMs into various subnets and enabled communications between subnets.
* Developed PowerShell scripts and ARM templates to automate the provisioning and deployment process.
* Successfully created Kubernetes pipeline of deployment & operation activities where all code is written in java, python& stored into bitbucket, for staging & testing purpose.
* Preferable Azure by creating multilevel hybrid pipeline of CI & CD helped clients to achieve Kubernetes platform.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, stack monitoring using Ansible Playbooks using Jenkins.
* Deployed Active Directory domain controllers to Microsoft Azure using Azure VPN gateway.
* Implemented cluster services using Docker and Azure Kubernetes services (AKS) to manage local deployments in Kubernetes by building a self-hosted Kubernetes cluster using Jenkins CI/CD pipeline.
* Maintained and automated the scripts by using Python for automated deployments.
* Developed Ansible playbooks to manage Web Applications, Environment’s configuration files, Users, Mount, points and packages. Implemented Continuous Integration using Jenkins and GIT.
* Worked with Azure compute services, Azure Web apps, Azure Data Factory & Storage, Azure Media & Content delivery, Azure Networking, Azure Hybrid Integration, and Azure IAM.
* Implemented CI /CD pipeline using Azure Data Factory (ADF) with ARM templates and integrated VSTS with GIT and deploy .Net applications to JBoss and Tuxedo Servers.
* Implemented Pod security policies (PSP) in AKS for required best practices and the ability to control what pods to be controlled, scheduled in AKS cluster prevents some possible security vulnerabilities or privilege Escalations.
* Automation of PEGA deployments using Ansible.
* Aligned Azure and GCP capabilities and services with workload requirements.
* Support PEGA team maintenance activities and implementation of system updates.
* Installed and Configured the Jfrog Artifactory and Mission Control.
* Moved all Kubernetes container logs, application logs, event logs and cluster logs, activity logs and diagnostic logs into Azure EventHub’s and then into Splunk for monitoring.
* Worked on setup of the Kubernetes sandbox on Azure Kubernetes Services (AKS) for testing the different features.
* Provide solutions for data engineers such as NIFI processors and workflows.
* Daily monitoring production servers using Grafana and Prometheus which is integrated with Kubernetes, exceptions and report to the team if something happen during standups.
* Created automation and deployment templates for relational and NOSQL databases including MongoDB and Redis.
* Migrated 9 microservices to GCP from skava and have one more big release planned with 4 more microservices.
* Setup Alerting and monitoring using Stack driver in GCP.
* Experience with Cloud Service Providers such as Amazon AWS, Microsoft Azure, and Google GCP
* Demonstrable experience designing and implementing complex applications and distributed systems into public cloud infrastructure (AWS, GCP, Azure, etc…)
* Building/Maintaining Docker/ Kubernetescontainer clusters managed by Kubernetes Linux, Bash, GIT, Docker , on GCP
* Installed and Configured the Jfrog Mission control and integrated with different environments of Artifactory instances.
* Managing Azure DevOps build and release pipeline. Setting up new repos managing the permissions for various GIT branches. Deployed microservices, including provisioning AZURE environment.
* Deeply familiar with TDD, Continuous Integration (CI), Automated Builds & Deployments, Automated Testing, XP practices
* Coordinated with PEGA support team to troubleshoot and fix technical issues.
* Extended support for existing product teams on how to integrate CI/CD into development life cycle.

**Environment:** Azure, Terraform, Jenkins, Kubernetes, Docker, Ansible, Jira, Confluence, PowerShell Windows, IIS, Python, Splunk, Grafana, Prometheus, Twistlock, istio, Jenkins, git, Ansible.

**Client: Capital Groups, CA Jan 2017 to Dec 2018**

**Role: DevOps Engineer**

**Responsibilities:**

* Experience in Software Integration, Configuration, building, automating, managing and releasing code from one environment to another environment and deploying to servers.
* Worked as Cloud Administrator on Microsoft Azure, involved in configuring virtual machines, storage accounts, resource groups.
* Good knowledge of utilizing cloud technologies including Amazon Web Services (AWS), Microsoft Azure and Pivotal Cloud Foundry (PCF).
* Involved in supporting cloud instances running Linux and Windows on AWS**,** experience with Elastic IP, terraform
* Groups and Virtual Private Cloud in AWS.
* Extensive experience on configuring Amazon EC2, Amazon **S3**, Amazon Elastic Load Balancing IAM and Security Groups in Public and Private Subnets in VPC and other services in the AWS.
* Managed network security using Load balancer, Auto-scaling, Security groups and NACL.
* Experience in Python programming for deployment of Java applications and implementation and automation of Shell scripts for release and build automation
* Experience in migrating build.xml into pom.xml to build the applications using Apache MAVEN.
* Engineered **Splunk** Monitoring to build, configure and maintain heterogeneous environments and maintained log analysis generated by various systems including security products.
* Extensively worked on **Jenkins CI/CD** pipeline jobs for end-to-end automation to build, test and deliver artifacts and troubleshoot the build issue during the Jenkins build process.
* Used Continuous server release manager **BAMBOO.**
* Implemented **Jenkins** Code Deploy plugin to deploy to AWS and used to automate the build process and deploy the application to Tomcat server.
* Created Route tables to route the traffic to find whether it is public or private network.
* Used Bootstrap Script for launching large number of instances in **AWS**.
* Having working knowledge on MVC design patterns with webservices deployed dot net and C# applications using TFS.
* Utilized AWS CLI to automate backups of ephemeral data-stores to S3 buckets, **EBS** and create nightly AMIs for mission critical production servers as backups.
* Used Chef for configuration management of hosted Instances within AWS. Configuring and Networking of Virtual Private Cloud (VPC).
* Implemented **Kubernetes** to deploy scale, load balance, scale and manage **Docker** containers with multiple names spaced versions.
* Used Continuous deployment agent called **BAMBOO.**
* Implemented a production ready, load balanced, highly available, fault tolerant **Kubernetes** infrastructure.
* Extensively worked on Jenkins, **Docker** for continuous integration and for end-to-end automation for all build and deployment.
* Experience on working with on-premises network, application, server monitoring tools like Nagios, splunk, App-dynamics and on AWS with Cloud Watch monitoring tool.
* Experience in building and maintaining service-oriented solutions and microservices.
* Experience with containerization technologies (Docker, Kubernetes, etc.)
* Work with orchestration tools like Terraform, Chef and levarge modern tools like Vault, Consul, Kubernetes, Docker, Kafka, etc.
* Created and maintained the development operations pipeline and systems like continuous integration, continuous deployment, code review tools and change management systems. .
* Experienced in setting up AWS Security groups that behave as Virtual firewalls controlling the traffic by allowing it to reach one or more **AWS EC2** instances.
* Hands on experience in using the server related release management like **Bamboo.**
* Used **Bamboo CI/CD** as release help server.
* Built scripts on AWS cloud for scheduling **EC2** Auto Scaling load balancer with python Boot.
* Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.
* Expertise in troubleshooting the problems generated while building, deploying and in production support.

**Environment:** AWS, Azure, Redshift, GIT, Hudson, Jenkins, TFS, WebSphere, WebLogic, JBOSS, Apache, TOMCAT web services, Docker, EC2, S3, RDS, EBS, auto scaling, Opsworks, Kubernetes, Ansible, Puppet, Nagios, Jira, VMware Bash, Python and Ruby, Unix/Linux, Windows, RHEL 4/5/6, CentOS.

**Client: Cox Automotive, TX May 2015 to Dec 2016**

**Role: DevOps / Build Release Engineer**

**Responsibilities:**

* Setting up the automation environment for Application team if necessary and help them through the process of build and release automation.
* Used **MAVEN** as build tools on Java projects for the development of builds artifacts on the source code.
* Developed Scripts for **AWS** Orchestration
* Participated in the release cycle of the product, which involved environments like Development, INT, QA, UAT and Production.
* Responsible for the building and deploying the artifacts into DEV, INT and QA Environments.
* Responsible for Branching and merging the code as per the schedule.
* Responsible for Development **UIT, SYTEM, UAT, STAGING** Builds and Releases.
* Imported and Managed Multiple Corporate Applications into **Subversion** (SVN).
* Configured and automated the Jenkins Build jobs for Continuous Integration.
* Extensively worked on **BAMBOOs CI/CD** pipeline jobs for end-to-end automation to build, test and deliver artifacts and troubleshoot the build issue during the bamboo build process
* Used Apache Tomcat as application server for deploying the artifacts.
* Involved in creation and configuration of Domains, JVM instances in production, QA and UAT environments.
* Used **Ansible** server and workstation to manage and configure nodes.
* Developed and maintained **Perl/Ant** scripts for build and release tasks.
* Modified **ANT** scripts to build the JAR, Class, WAR and EAR files from VOB’s.
* Developed utilities for developers to check the checkouts, elements modified based on project and branch.
* Experience in supporting **Linux Containers**.
* Implemented Code deploy and code pipeline instrumentation using **AWS** and **S3** a standardized process for various languages and technologies like PHP and Java.
* Experience in working with **web-sphere applications** for middleware integration Set up system for dynamically adding and removing web services from servers using **Docker** and **Nginx**.
* Administered and Engineered Jenkins for managing weekly **Build**, **Test** and **Deploy** chain, **SVN**/**GIT** with Develop/Test/Prod Branching Model for weekly releases.
* Created **Subversion** configuration record for builds using derived objects generated during build audit process.
* Configured clusters to provide fail over, load balancing and deployed applications on clusters.
* Developed **UNIX** and Perl Scripts for the purpose of manual deployment of the code to the different environments and E-mail the team when the build is completed.
* Coordinated Release effort amongst various teams (Integration, QA, Testing, and Business Analysis) in geographically separated environment.
* Chef, Puppet, Jenkins continuous development, Power shell, PHP, Python, C#, Java, JavaScript, and Unix/Linux scripting
* Attended the Minor/Major Event change control meetings to get necessary approvals for the deployment request.
* Executed the DB Scripts (DML’s), which have dependencies on the code on **Oracle DB**.
* Documented the deployment process (Migration Doc) of code to production.
* Migrating a production infrastructure into an Amazon Web Services utilizing **AWS** Cloud formation, **U Code Deploy**, **Chef**, EBS, and Ops Works.

**Environment:** Java, Maven, GIT, Jenkins, Chef, Linux, Solaris, Web Sphere, Shell scripting, Ruby, Nexus, Tomcat, Bit Bucket, Confluence, Jira, ANT, Linux, Perl, Oracle DB.

**Client: ORB COMM, India(Offshore) Feb 2013 - Dec 2014**

**Role: Build &Release Engineer**

**Responsibilities:**

* Used agile practices and Test-Driven Development (TDD) techniques to provide reliable, working software early and often.
* Supporting Local System Administrators to troubleshoot Configuration Management and Network issues.
* Created and maintained continuous build and continuous integration environments in **SCRUM** and **agile** projects.
* Worked on building and deploying Java code through **Jenkins**.
* Used **Jenkins**/**Hudson** to automate builds and deployments.
* Installed **UDeploy** server and agents from the scratch and defined component process (script) for deploying/managing the deployments.
* Experience in configuring baselines, branching, merging in **SVN**, and automation processes using **Shell** and **Batch** Scripts.
* Coordinated and engaged various teams (JBOSS, DBA's, developers, and test teams), and respective stakeholders, to quickly **resolve/address** issues found within the environment.
* Handled various configuration changes for different application property files and **Jboss**/**Web** **logic**
* Worked with System Administrators to upgrade multiple environments for various application releases including setup/configuration of **Jboss** Clusters across Linux (**Ubuntu**) platforms.
* Worked on integrating **GIT** into the continuous Integration (**CI**) environment along with **Jenkins** and **Subversion**.
* Developed **ANT** build files for maintaining test automation builds & Java based libraries.
* Used **Shell**/**Perl** scripts to automate the deployment process and responsible for automated Scheduled Builds/Emergency Builds and Release using **ANT** scripts for Enterprise application (**J2EE**).
* Worked on **PROD** release every fortnight and work closely with the **DEV** and **DB** support teams to fix issues occurred during deployment.
* Developed **shell** scripts for automation of the build and release process.
* Involved in writing **Maven** build scripts for generating Java based artifacts such as **JAR**, **WAR** and **EAR**.

**Environment:** Linux/Unix (Redhat, Ubuntu), Shell Scripting, SVN, Maven, GIT, ANT, Java/J2EE, Jenkins, Jboss, Tibco, Jira, Urban Code Deploy.