Summary:

* Experienced IT professional with over 6 years of experience as **DevOps Engineer**, and **Build and Release**
* Experienced in software development life cycle (SDLC) with Waterfall, Agile in the successful delivery of several high-quality projects
* Provisioning EC2 instances and have knowledge on all resource areas of **EC2** like **Instances**, **Dedicated hosts**, **volumes**, **Keypairs**, **Elastic** **IP's**, **Snapshots**, **Load** **Balancers** and **Security** **Groups**
* Managed Amazon Web Services like **EC2**, **S3**, **RDS**, **EBS**, **ELB**, **Auto-Scaling**, **AMI**, **IAM, Route53**, **SNS, SQS, Terraform and Amazon Cloud Watch** through AWS Console
* Hands-on-experience with monitoring tools like **Cloud Watch**, **Nagios, Grafana, AppDynamics** and **Splunk, Graphite, Kibana**
* Experience in working on source controller tools like **GitHub** (**GIT**), **Bitbucket, Subversion** (**SVN**)
* Experienced in branching, tagging and maintaining the version across the environments using **GIT** on Linux and windows platform
* Experienced in administration and deployment of applications on **Apache Webserver** and **Application Servers** such as **Tomcat**, **JBoss**, **WebSphere** etc.
* Extensively worked on Administered and Implemented CI tools **Jenkins** and **Bamboo** for continuous integration and for End-to-End automation for all build and deployments and used cucumber for testing the application.
* Experienced in using **Artifactory** repository, **Nexus** for Maven and Ant builds
* Experienced in database environments like **MySQL, Oracle** and NoSQL databases like **DynamoDB, Cassandra**
* Implemented **Ansible Playbooks** for deployment on internal Data Center Servers. Re-used the playbooks to deploy the applications to the Cloud environments
* Experience in creation of **Docker container** and **Docker Hub** for managing the application life cycle
* Created custom Docker images using Docker files for easier replication of DEV and QA environments within the local machines
* Experienced in scripting languages such as **Bash, Python**
* Experienced in scanning the codebase using the **Checkmarx**
* Open-minded, **self-starter, highly motivated** and ability to motivate other team members, ability to communicate effectively and excellent team worker
* Good **interpersonal skills, commitment, result oriented** and hardworking with a quest and zeal to learn new technologies and undertake challenging tasks

**Education Qualification:**

**Master of Science in Cybersecurity, Valparaiso University, Indiana January 2015 – May 2016**

**Technical Skills:**

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| --- | --- |
| **SOFTWARE DELIVERY MODELS** | Waterfall Model, Agile Methodologies (SCRUM) |
| **OPERATING SYSTEMS** | Windows server 2008/12, Linux (Ubuntu, RHEL, Amazon), Unix |
| **CLOUD/VIRTUALIZATION** | Amazon Web Services (AWS), VMWare, vSphere, Docker |
| **DATABASES** | MySQL, MS SQL Server 2012, RDS, MongoDB, PostgreSQL |
| **CI and CD TOOLS** | Jenkins, Maven, Hudson |
| **VERSION CONTROLS** | Subversion (SVN), CVS, Git and GitHub |
| **SCRIPTING LANGUAGES** | Python, Bash/Shell, Ruby |
| **CONFIGURATION MANAGEMENT** | Ansible, Chef |
| **MONITORING TOOLS** | Nagios, Grafana, Splunk, Kibana and AppDynamics |
| **Web/Application Servers** | Tomcat, WebLogic, JBoss and Nginx |

**Professional experince:**

**BestBuy Co. Inc., Richfiled, MN August 2018 – Till date**

**Role: DevOps Engineer**

**Responsibilities:**

* Experience in AWS services like VPC, EC2, S3, ELB, Auto Scaling Groups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.
* Configured the Auto scaling and ELB groups in AWS to main high scalable and secure environment.
* Experience in Software Integration, configuration, building, automating, managing and release code across all the environments.
* Involved in supporting cloud instances running Linux and Windows on AWS, experience with Elastic IP, Security Groups and Virtual Private Cloud in AWS.
* Managed network security using Load balancer, Auto-scaling, Security groups and NACL.
* Participating in the deployment of the applications into existing systems, Cloud environment and databases using CI/CD methodologies, Maven and Jenkins.
* Managed Ansible Playbooks in Ansible and implemented environments, roles, and playbooks in ansible for better environment management.
* Used Shell and Python scripts to day to day activities and task automating.
* Automated the continuous integration and deployments using Jenkins, Docker.
* Worked on Docker container to create Docker images for different environments.
* Responsible for taking source code and compiling using Maven and packages it in its distributed format such as WAR file.
* Implemented process for release management, automated code deployment, configuration management and monitoring.
* Responsible for build and deployment automation using AWS, Docker, Kubernetes containers and Ansible.
* Developed container support for cloud environments and Docker. Deployed the applications in Docker containers and managed the containers in enterprise level.
* Created Docker images using a Docker file, worked on Docker container snapshots, removing images and managing Docker volumes.
* Execute Stage & Production deployments for all Digital web applications - OpenShift, AWS, Datacenter & GCP.
* Managed Git for branching, merging, and tagging, resolved merging issues.
* Managing Nexus and SonarQube server for uploading the artifacts and code quality analysis.
* Drive functional lower environment issues to resolution by partnering with ops & dev teams.

**Environment:** **Linux (RHEL 6.x/7), AWS, OpenShift, Ansible, Jenkins, JBoss, Tomcat (8.x, 9.x), MongoDB, MySQL, Shell Scripting, Python, Java, Git, Maven, VMware ESX 2.x & 3.x., Splunk, Kibana, CloudWatch.**

**ValourUSA Inc, Irving, Texas July 2016 – August 2018**

**DevOps Engineer**

* Involved in DevOps migration/automation processes for build and deploy systems.
* Create and maintain documentation of deployment plans, test plans, infrastructure diagrams and other technical documentation.
* Trouble shoot and identify root cause for issues and implement permanent corrective actions for incidents.
* Experience in Infrastructure Development and Operations, involved in designing and deploying utilizing almost all the AWS stack like EC2, EBS, S3, VPC, RDS, SES, ELB, Autoscaling, CloudFront, CloudFormation, CloudWatch, SNS, Route 53.
* Involved in maintaining the user accounts (IAM), RDS, Route 53, VPC, RDB, DynamoDB, SES, SQS and SNS services in AWS cloud.
* Experience in managing large-scale, geographically distributed database systems, including relational (Oracle, MySQL) and NoSQL (MongoDB), DynamoDB databases.
* Worked on Auto scaling, Cloud watch(monitoring), AWS Elastic Beanstalk (app deployments), Amazon S3 (storage) and Amazon EBS (persistent disk storage).
* Used IAM to create new accounts, roles and groups and policies in enabling lambda functions for dynamic creation of Roles.
* Experience in continuous integration technologies Jenkins. Designed and created multiple deployment strategies using CI and CD Pipelines and configuration management tools with remote execution to ensure zero downtime and shortened deployment cycles via automated deployments.
* Developed microservices onboarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Experience with container-based deployments using Docker, working with Docker images, DockerHub, Docker registries and Kubernetes.
* Installing Red hat Linux using kick start and applying security polices for hardening the server based on the company policies.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Used Nexus tool to manage the repository in Maven and used the same to share the snapshots and releases of internal projects.
* Worked on Atlassian tools like Bamboo, Jira, and confluence.
* Created Branches, Labels and performed Merges in Stash and GIT.
* Using Ansible playbooks to configure systems to a specified state.

**Environment:** **Linux (RHEL 5.x/6.x/7), AWS, Jenkins, Python, VMWare, Docker, Shell Scripting, ANT, MAVEN, GIT, Python, Docker, Kubernetes, Ansible, SQL server, NOSQL.**

**Valparaiso University January 2015 – October 2015**

**Linux Administrator**

* Administered, maintained RedHat Troubleshooting Hardware, Operating System Application & Network problems and performance issues and Deployed latest patches for, Linux and Application servers, Performed RedHat Linux Kernel Tuning.
* Regular Admin Tasks include building Linux servers for Production, Development and Test Environments and supported the ones under production.
* Configured volume groups and logical volumes extended logical volumes for file system growth needs using Logical Volume Manager (LVM) commands.
* Users & groups administration and Software installation & maintenance.
* Managing systems routine backup, scheduling jobs like disabling and enabling cron jobs, enabling system logging of servers for maintenance, performance tuning, testing.
* Migrated the entire Application from JBoss to Tomcat environment.
* Configuring the NFS servers, setting up servers in a network environment and configuring FTP/NTP/NIS servers, clients for various departments and clients.
* Involved in design, configuration, installation, implementation, management, maintenance and support for the Corporate Linux servers RHEL 4x, 5.x, SLES 9, CENTOS 5.x.
* Managed TCP/IP packets & DHCP servers, resolved TCP/IP network access problems for the clients and worked with various TCP/IP implementations like NFSv4, NIS, DNS, and DHCP.
* Orchestrated and performed upgrade of Linux servers from 32-bit RHEL4 to 64-bit Centos.
* Installation, configuration, support and security implementation on SSH, NFS, SAMBA, DHCP, DNS, HTTP services.

**Environment: Microsoft Windows, Linux, DNS, DHCP, TCP/IP, RIP, FTP, TFTP, Terminal Services, SNMP, SMTP, NFS, Oracle, Db2, JBoss.**

**H-Line Soft Technologies, Hyderabad, India December 2012 – December 2014**

**Release Engineer**

* Build and Configuration of Internally developed Software, Release Management activities.
* 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.
* Managed Perforce Repositories to download the artifacts during the build.
* Branching and merging code lines in the Perforce, adding revision lines and resolving all the conflicts rose during the merges while performing Integration and Rebase.
* Used Perforce as Version Control System for maintaining the discipline required working with the codes on different files.
* Designed and developed scripts using batch, Shell and Perl for automating the build activities.
* Specialized in automating tasks and process through scripts, implementing branching models, implementing Build/Release solutions.
* Provided deployment support for several releases in finance and corporate business area.
* Documented work done, skills required and mitigated in future projects.
* Developed and Presented Visio and power point slides.
* Coordinated Instance Refreshes and Environment Re-basing.
* Extensively used Perforce as a Configuration Management tool to manage source code
* Carried Deployments and builds on various environments.
* Helped to solve queries of developers related to build release issues.
* Worked closely with developers and managers to resolve the issues that rose during the deployments to different environments.

**Environment: JIRA, SVN, Apache ANT, XML, Maven, jerkins, Apache Tomcat, Shell Script, Unix/Linux, Windows, Oracle.**