**Rubayya Hoque**

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**c: (516) 717-8644**

* **6 years** of experience as a **Devops Engineer - Build and Release Engineer** in automating, building, deploying, managing and releasing of code from one environment to other environment tightly maintaining Continuous Integration, Continuous Delivery and Continuous Deployment in multiple environments like (**DEVEL/TEST/STAGE & PROD**)
* Experience in creating the company's **DevOps strategy in a mix environment of Linux (RHEL, CENTOS, Windows)** servers along with creating and implementing a cloud strategy based on **Amazon Web Services (AWS).**
* Worked in infrastructure team on installation, configuration and administration of **CentOS 5.x/6.x/7**, **Red Hat Linux 8/9, RHEL 5.x/6.x/7**, **Red Hat Satellite 6, Windows Server 2008-R2/2012-R2** and **SUSE Linux 10.x/11**.
* Experience in **Package Management** using Red Hat **RPM/YUM** and **Red Hat Satellite server**.
* Managed Amazon Web Services like **EC2, S3 bundles, RDS, EBS, ELB, Auto-Scaling, AMI, IAM** through AWS Console and **API Integration with Chef Code**.
* Day to day job included but not limited to **handling Tickets, Monitoring, Troubleshooting and maintenance.**
* Experience working with **Chef Enterprise and Chef Open Source**. Installed, configured, upgraded and managed Chef Master, Agents & Databases. Integration of **Chef with Apache and Passenger**.
* Created Custom as well as downloaded pre-written **Cookbooks and Manifests**, Worked and utilized **Chef hierarchy files, facts, and global variables.**
* Installed and managed Middleware tools through **Chef such as WebSphere Application Server 7.x/8.x, JBOSS GA7/EAP6, IBM IHS, Apache & Tomcat.**
* Extensive experience using **MAVEN and ANT** as build tools for the building of deployable artifacts (jar, war & ear) from source code.
* Managed all the bugs and changes into a production environment using the Jira tracking tool.
* Involved in **setting up JIRA, Kanban** as **defect tracking system** and **configured various workflows**, customizations and plugins for the bug/issue tracker.
* Experience in working on source control tools like **Tortoise SVN, CVS, Perforce, and GIT**.
* Extensively worked on **Jenkins/Hudson by installing, configuring and maintaining for the purpose of continuous integration (CI)** and for **End to End automation** for all build and deployments.
* Installed, Configured, Managed Monitoring Tools such as **Splunk, Nagios, iCinga for Resource Monitoring/Network Monitoring/Log Trace Monitoring.**
* Expertise in writing **Bash Scripts, Pearl Scripts, Python programing and other Scripts(sh/csh/ksh/Cscript/JCL)** for deployment of Java applications on bare servers or Middleware tools.
* Sound knowledge in automation tools like Ansible, Puppet, Chef.
* Provisioning and infrastructure automation in a **IaaS and PaaS** environment in **AWS,** **Azure, Pivotal Cloud Foundry** etc.
* Implemented and deployed a system to Windows Azure, Microsoft’s new cloud solution.
* Strong knowledge of networking concepts like switches, firewalls, load balancers, intrusion detection systems.

**Software Proficiency**

* Operating systems : Windows, Ubuntu, Red hat, Centos
* Config/Provisioning : Chef, Puppet, Ansible
* Programming Languages : Java, Asp.Net, C#, LINQ, SQL
* Shell Scripting : Python, Ruby, Shell, Perl, XML Cscript
* DBMS Packages : Oracle 10g, SQL Server 2008/2012/2014, MySQL, NoSQL, Postgress DB, MongoDB, Cassandra
* Web Technology : HTML, JavaScript’s, JQuery, Bootstrap
* Version Control : Visual Source Safe, GIT, SVN, CVS
* CI : Jenkins/Hudson
* BI/Monitoring : Nagios
* Server : Apache, Nginx, Tomcat, MS-IIS
* Technologies : MS Office, JBoss EAP, Docker, WebLogic, AWS ELB, AWS SQS, AWS S3, AWS Cloud Formation Templates, AWS RDS, AWS Cloud Watch, Pivotal Cloud Foundry
* Additional: Entity Framework, Ant, Maven, Jira, Kanban,Artifactory, Hashicorp Vagrant

**Professional Experience**

**Orbitz - Chicago, IL**

**Sr. DevOps Engineer /Administrator**

**May 2019 – Till Now**

**Responsibilities:**

* Worked on installation, configuration and **maintenance Debian/Redhat, CentOS and Suse Servers at multiple Data Centers.**
* Configured **RedHat Kickstart** for installing multiple production servers.
* Installation, **Configuration and administration of VMware.**
* Deploy and monitor scalable infrastructure on Amazon web services **(AWS) & configuration management using Chef.**
* **Designed Chef or Ansible Modules to manage configurations and automate installation process.**
* Experience working with production servers at multiple data centers.
* Writing custom scripting in Bash/Python/Ruby/Perl.
* Worked on Physical to **Cloud Migration in AWS.**
* Experience in migration of consumer data from one production server to another production server over the network with the help of Bash and Perl scripting.
* Used Chef for Monitoring system and automation.
* Installed and configured monitoring tools **Nagios for monitoring the network bandwidth** and the hard drives status.
* Developed and supported the Red Hat Enterprise Linux based infrastructure in the cloud environment.
* Deploying Linux server using **Hashicorp Vagrant and Vagrantfile.**
* Experience in **AWS, which included managing application in the cloud and creating instances**.
* Developed automation scripting in**using Chef or Ansible to deploy and manage Java applications across Linux servers.**
* Worked on Version controller **like GIT and integration tools: Jenkins**
* Logged events from forced crash dumps and troubleshoot server issues.
* Configured yum repository server for installing packages from a centralized server.
* Experience with Configuration Management Tools **(Ansible , Chef).**
* Installed and configured **DCHP server to give IP leases to production servers.**
* RedHat Package Management of RedHat Linux user accounts, groups, directories, file permissions and other package deployments.
* Installation, Configuration and administration **of DNS, LDAP, NFS, NIS, NIS+ and Sendmail on Redhat Linux/Debian Servers.**
* Configured, managed **ESX VM’s with virtual center and VI client**.
* Configuration and Administration of **Apache Web Server and SSL.**
* Created and maintained network users, user environment, directories, and security.
* Good knowledge on Docker and Dockerfiles. Containerizing web application from Linux server to Docker containerizes.
* Provide the support of building the server, patching, user administration tasks, deployment, software installation, performance tuning and troubleshooting and KVM.
* Provided 24/7 on call support on Linux Production Servers. Responsible for maintaining security on Redhat Linux.

**Fay Servicing – Schaumburg, IL**

**DevOps Engineer**

**Nov2016–Apr2019**

**Responsibilities:**

* Working for DevOps Platform team responsible for specialization areas related to **Chef** for Cloud Automation.
* Actively involved in architecture of **DevOps** platform and cloud solutions.
* Used **chef** for server provisioning and infrastructure automation in a **IaaS, PaaS** environment.
* Strong knowledge in Linux and Windows-based systems administration skills.
* Implemented scheduled downtime for non-prod servers for optimizing AWS pricing.
* Created proper documentation for new server setups and existing servers.
* Maintaining a farm of **EC2** instances, **ELB’s** and **RDS.**
* Worked on Cloud automation using **AWS Cloud Formation templates**.
* Implemented **Chef Recipes for** Deployment on build on internal Data Centre Servers. Also re-used and modified same **Chef Recipes** to create a Deployment directly into **Amazon EC2** instances.
* Evaluating testing of **Chef Recipes** – Concept of Test Driven Development for Infrastructure as a Code.
* Automate Continuous Build and Deploy Scripts for **Hudson/Jenkins** Continuous Integration tool
* Automated the cloud deployments using **chef,** scripts and **AWS Cloud Formation Templates and Cloud Foundry**.
* Implemented **Chef** Cookbooks for OS component configuration to keep AWS server’s template minimal.
* Written **Puppet Manifest file** for various DB configurations to modularize and optimize end product configuration.
* Implemented and building tools such as **Ant/Maven** in order to automate and enhance the overall operational environment.
* Integrating various provisioning and monitoring modules into a single platform.
* Auto-scaling distributed database technology like Cassandra.
* Managed central repositories: Implemented Atlassian Stash along with GIT to host GIT central repositories for source code across products, facilitate code reviews and login audits for Security Compliance.
* Designed and implemented the backup strategy for all the critical systems such as build machines, bug tracking tools, central repositories etc.

**Highmark - Pittsburg, PA.**

**Devops Engineer**

**Aug 2014 – Nov 2016**

**Responsibilities:**

* Developed build and deployment processes for Pre-production environments.
* Installed, configured and administered **WebLogic Server 8.1/9.x/10.x** in **RedHat Linux** and **Sun Solaris**environments
* Used Subversion as source code repositories.
* Managed **SVN** repositories for branching, merging, and tagging.
* Developed **Shell/Perl** Scripts for automation purpose.
* Resolved merging issues during rebasing and re-integrating branches by conducting meetings with Development Team Leads.
* Responsible for designing and deploying best **SCM** processes and procedures.
* Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
* Used **AGILE MVN** method to develop a build and also **ANT** as a build tool.
* Involved in writing parent pom files to establish the code quality tools integration.
* Installing, configuring and administering Jenkins CI tool on Linux machines.
* Implemented the setup for Master slave architecture to improve the Performance of Jenkins.
* Used **Jenkins,** Artifactory, Build forge for Continuous Integration and deployment into **Tomcat** Application Server.
* Deployment of deployment artifacts (EAR, WAR, OSB jars) to Linux servers.
* Deployed the applications on multiple Weblogic Server instances and maintained Load balancing, high availability and Fail over for the servers.
* Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
* Supported and developed tools for integration, automated testing and release management.
* Verified if the methods used to create and recreate software builds are consistent and repeatable.
* Involved in Research of the project application architecture to support/resolve build, compile, and test issues/problems.
* Releasing code to testing regions or staging areas according to the schedule published.
* Used **Jira** as ticket tracking and work flow tool.