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**PROFESSIONAL SUMMARY**

* 8 Years of effective work experience on **Build Engineering** & **Release Management** process, end-to-end code configuration, & deployments of artifacts for entire life cycle model in Enterprise Applications.
* Experience in Configuration Management, Cloud Infrastructure, and Automation like **Amazon Web Services (AWS), Ant, Maven, Jenkins, Chef, SVN, Git hub, Clear Case and Tomcat**.
* Extensively worked on **Jenkins** and **Hudson** by installing, configuring and maintaining for the purpose of **Continuous Integration (CI)** and for End-to-End automation for all build and deployments.
* Experience with **AWS** instances spanning across Dev, Test and Pre-production and Cloud Automation through Open Source **DevOps** tools like **Chef, Jenkins & Docker**.
* Experience in setting up Baselines, Branching, Merging and Automation Processes using **Shell**, **Perl**, **Ruby**, **Python** and **Batch** Scripts.
* Expertise in automating various build and deployments using **ANT,** **MAVEN, Perl, Ruby, MS** **Build, and Shell Scripts.**
* Expertise in creating **Devops** strategy in a mix environment of **Linux** (**RHEL, CENTOS and UBUNTU**) servers along with **Amazon Web Services**.
* Expertise in installing, configuring and managing **Web Logic, Apache, VM Ware** etc.
* Expertise in Amazon AWS Cloud Administration which includes services like: **EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, OPS Work, Security Groups.**
* Experience in architecting and managing **AWS cloud infrastructure**.
* Develop cloud solutions using
* (Infrastructure as a Service) and **PaaS** (Platform as a Service).
* Developed python modules to automate processes in **AWS** (**AWS** cloud formations/ **Ec2, boto API).**
* Provisioned **AWS S3 buckets** for backup of the application and sync these contents with remaining **S3 backups**, by creating entry for **AWS S3** SYNC in **crontab**.
* Design high availability (HA) applications **on AWS across Availability Zones** and **Availability Regions**.
* Installed and Managed **Jenkins** and **Nexus** for CI and Sharing Artifacts respectively within the company.
* Experienced in trouble shooting, configuration and deploying Enterprise Applications in **WebSphere**, **WebLogic** and **JBOSS**/**Tomcat** as well.
* Virtualize the servers on AWS using the **Docker,** create the Docker files and version control.
* Worked on **Puppet** for the deployment of servers with custom scripts.
* Experience in branching, tagging and maintaining the version control and source code management tools like **GIT, SVN** (subversion) on **Linux** and windows platforms.
* Good command in working with Tracking Tools **JIRA** and **IBM Rational Clear Quest**.
* Good knowledge in **Continuous Integration** and **Continuous Deployment** methodologies
* Configured **DOCKER** Containers for Branching purpose and deployed using Elastic Beanstalk. Authorized to work in the US for any employer.
* Efficient in working closely with teams to ensure high quality and timely delivery of builds and releases.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Operating System** | Windows, UNIX, LINUX, Mac OS, RHEL 4/5/6/7 . |
| **Versioning Tools** | Subversion, Clear case, **GIT Hub,** **GIT Lab, Bit bucket** , CVS . |
| **CI Tools** | **Jenkins**, Bamboo, Hudson. |
| **Build Tools** | **ANT, MAVEN, Make file, Gradle** . |
| **Bug Tracking Tools** | JIRA, Rally, Remedy and IBM Clear Quest. |
| **Scripting** | **Shell scripting**, Python, Perl scripting, **Ruby**, Json. |
| **Web Technologies** | HTML, Java Script, XML, Servlets, JDBC, JSP. |
| **Web/App servers** | **Apache Tomcat**, JBOSS, WAMP, LAMP, IIS, Web sphere, Nginx. |
| **Databases** | Oracle 9i/10g, MS SQL, MySQL, Mango DB. |
| **Cloud Technology** | **AWS**(Cloud Watch, Cloud Trail, Cloud Formation, etc.), AZURE, Open stack |
| **Monitoring Tools** | Splunk, Nagios , Log Stash , App-dynamics. |
| **Configuration Management Tools** | **Chef, Puppet, Ansible** , Terraform . |
| **IDE Tools** | IDE Eclipse, NetBeans. |
| **Virtualisation Tech** | VMware ,VSphere,VMware Workstation , Oracle Virtual Box |
| **Containers Tools** | **Docker ,LXC (Linux Containers)** |

**Work experience**

**GE Health Care - Barrington, IL – January 2016 to Present   
AWS DevOps Engineer**

**Responsibilities:**

* Creating the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products.
* Implemented **AWS** solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer**, Auto scaling groups.
* Responsible for Design of different Release Environments for new projects and monitoring.
* Implementing a Continuous Delivery framework using **Jenkins, Chef, Maven & Nexus** in Linux environment
* Automation of OS builds and Application Installation through **Chef.**
* Managed Cookbooks to automate system operations.
* Working with Devops practices using AWS, Elastic Bean stalk and Docker with **Kubernetes**.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with **Kubernetes**.
* Integration of **Maven/Nexus**, **Jenkins**, Urban Code Deploy with Patterns/Release, **Git**, Confluence, JIRA and **Cloud Foundry.**
* Working on designing, development and implementation of Decommissioning & re-provisioning process and Virtual Machine using **bash** and **Python** Flask as framework.
* Developing scripts (recipes in **chef**) for automatic deployment of servers and managing configuration files through **chef.**
* Using Jenkins **AWS** Code Deploy plugin to deploy to AWS
* Responsible for code build, release and configuration on **Amazon EC2**.
* Integrate and implement a complete cloud services framework **(IaaS, PaaS, and SaaS)** and cloud deployment model (private, public, and hybrid).
* Expert in performance monitoring tools like **IaaS , AWS** Cloud Watch and stack driver.
* Configured S3 versioning and lifecycle policies to and backup files and archive files in Glacier.
* Configured S3 to host static web content.
* Perform Deployment of Release to various **QA & UAT** in Linux environments.
* Optimized volumes and **EC2 instances**
* Used **IAM** to create new accounts, roles and groups
* Configured **S3 versioning** and lifecycle policies to and backup files and archive files in Glacier.
* Configured **Elastic Load Balancers** (ELB) with **EC2** Auto scaling groups
* Created monitors, alarms and notifications for **EC2** hosts using Cloud Watch
* Migrated applications to the **AWS** cloud.
* Work with different team members for automation of Release components.
* Scripting in multiple languages on **UNIX, LINUX** and Windows
* Troubleshoot the build issue during the Jenkins build process.
* Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.

Environments: **AWS EC2, S3**, RDS, EBS, **Jenkins, Maven, Nexus**, **Chef Automation, Kubernetes**, **Chef Cookbooks**, Load Balancers, **IAM**, Cloud Watch, UNIX and Linux

**JP Morgan Chase& Co - Dallas, TX - March 2014 to June 2015   
DevOps Engineer   
  
Responsibilities:**

* Interacted with client teams to understand client deployment requests.
* Implement the supporting platform for **Open Stack**infrastructure on the cloud that all services and applications will rely upon.
* Deploying the **Open stack** components on multimode with High availability environment. Configuring the **Open Stack** keystone, glance, cinder, swift.
* Created and managed Cinder volumes, instances and configured network in **Open Stack** Cloud by using both CLI and Horizon dashboard.
* Involved in monitoring and metering for Infrastructure as a Service (IaaS) for **Open Stack** Cloud.
* Expert in performance monitoring tools like **Iaas**, **AWS cloud watch** and **stack driver.**
* Implemented auto environment creation using **puppet and Open Stack.**
* Utilized **Puppet** to automate single-command provisioning for development and production environments for an operation tools startup.
* 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.
* Created best practices Build environment using **Jenkins,** Packer, immutable instances, and **Open Stack**.
* Deployed the applications on multiple WebLogic Servers and maintained Load balancing, high availability and Failover functionalities.
* Wrote playbooks for **Ansible** and deploying applications using **Ansible.**
* Worked on **Docker** container snapshots, attaching to a running container, removing images, managing directory structures and managing containers.
* Experience working on several **Docker** components like **Docker Engine**, Hub, machine, compose and **Docker registry.**
* Experience working on **Docker Hub**, creating Docker images and handling multiple images primarily for middleware installations and domain configurations.
* Developed protocol for adding new users to existing network.
* Good understanding of windows and **VMware** server automation using scripting language **Power shell**, **VB** Script
* Provided installation & maintenance of **Puppet** infrastructure and developed Puppet recipe &modules for configuration management.
* Experience deploying and maintaining multi-container applications through **Docker**.
* Responsible for building scalable distributed data solutions using **Hadoop**.
* Configured application servers (**JBOSS**) to deploy the code.
* Automate provisioning of infrastructure and applications on Azure .
* Migrated data from on-premises data servers onto **Microsoft Azure** cloud platform utilizing Azure data factory.
* Lead developer & **.NET** application to build an exchange for financial instruments, entirely in the cloud using **C#**.
* Analyze of existing on-premises management software’s family to build a brand new architecture with the goal to create a cloud first scalable platform based on Microsoft **.NET /** **C#** / **Azure**
* R&D, design, architect and develop a cloud platform solution **(.NET**, **C#, Microsoft Azure**, Entity Framework, Linq, WebApi)
* Migration of on premise applications to Azure .Implement hybrid applications in Azure .
* Experienced in managing and reviewing **Hadoop** log files.
* Used **Ant/Maven** for building Java/J2EE Applications.
* Performed system administration and operations tasks using **Chef**.
* Integrated **Maven** with **Jenkins** for the builds as the Continuous Integration process.
* Build Java code on to different **Jenkins**, Packer servers as per the schedule.
* Maintained JIRA for tracking and updating project defects and tasks.

Environment: Shell Scripting, RHEL, **VMware, Open Stack ,puppet**, **Ansible,** Subversion, Perforce, Hudson, **GIT, Tomcat**, Confluence**, Maven**, Visual Build, **ANT, Jenkins, J2EE, Docker.**

Oppenheimer Funds Inc ,  Englewood, CO-Sep 2012- Nov 2013

Build & Release Engineer/AWS Engineer

Responsibilities:

* Deployed **EC2 Instance**, adding (**EBS**) block level storage volume to build the web based home loans applications.
* Deployed Ezprequal application to **Route53** - a **DNS** service to allow traffic based routing with the policies Simple, Weighted, Geo-location, Failover and Latency. Used Weighted and Geo-location based routing policy to test the application.
* End to end deployment ownership for projects on Amazon AWS. This **includes Python scripting** for **automation**, **scalability**, **build promotions** for staging to production etc.
* Created continuous integration system using **Ant**, **Jenkins**, **Puppet** full automation, Continuous Integration, faster and flawless deployments.
* Primarily involved in building the 5 applications which is integrated within each other which decides whether the home loans customer is eligible for home loans or not.
* Applications are built using AWS **Cloud formation templates (json).**
* Used monitoring services like **Cloud Watch** to monitor the CPU utilization.
* Worked with external providers Symantec and entrust to build webserver certificate.
* Used Simple storage services (s3) for snapshot and Configured S3 lifecycle of Applications logs, including deleting old logs, archiving logs based on retention policy of Apps
* Design roles and groups for users and resources using **AWS Identity Access Management (IAM).**
* Setting up the **Elastic load balancer (ELB)** to send traffic to all instances in the availability zone.
* Managed hosted Zone and domain name service using **Route 53**.
* Used **Tomcat and apache** (UPF framework) as standard application servers to deploy web applications.
* Developed and maintained the continuous integration and deployment systems using **Jenkins, ANT, Maven, Nexus, Ansible and Rundeck.**
* Application Deployment using IMB Urban deploy
* Good experience in troubleshooting most of the **AWS services**. On-call support for issues related to Linux VMs hosted in AWS and network troubleshooting.
* Update the Network technical diagram for each home loan application and work with the network/firewall engineers to open the ports for downstream connectivity and F5 engineers for load balancers for on-perm applications.
* Worked with Verizon team for implementation of firewall change.

Environment: **AWS**, **Solaris** 2.9 / 2.10, **Red Hat Linux** AS/EL 4.0, AIX 5.2, 5.3, Jenkins, Rundeck, **Puppet**, Subversion, Bash, Hudson, NT Command shell, Java/J2EE,**ANT**,**Gradle**,Bamboo ,**Chef**, **Puppet**, Cloud Formation, Templates.

**GV Technologies - Hyderabad, Andhra Pradesh - May 2010 to January 2012**

**UNIX/Linux System Administrator**

**Responsibilities:**

* Set up and configuring of **Linux (Redhat)** and Solaris servers/workstations for clients.
* Configuring the **NFS servers**, setting up servers in network environment and configuring **FTP/NTP/NIS** servers, clients for various departments and clients.
* Experience working with high availability, high performance, multi-data center systems and hybrid cloud environments.
* Handling the scheduling tasks (cron jobs and task scheduler) for the scripts for various purposes.
* Troubleshoot complex issues ranging from system resources to application stack traces.
* Involved in support databases and performed **MS SQL** upgrades running on Windows servers.
* Compiling code to move into test environments via automated processes.
* Installation, configuration and administration of Linux (**Redhat, CentOS**).
* Troubleshoot build and deploy failures, and facilitate resolution.
* Configuring network services such as **DNS/NFS/NIS/NTP** for **UNIX/Linux** Servers.
* Improve speed, efficiency and scalability of the continuous integration environment.
* Extensive knowledge of **Linux/Windows** based systems including hardware, software and applications.
* Creating a change requests, work orders and problem tickets using BMC Remedy tool and getting approvals from higher officials.
* Experience in development with **Perl, Python, PowerShell** or other scripting languages.
* Project Management for various **UNIX/Linux/**Windows system integration projects.

Environment: RHEL, Solaris, AIX and Windows, **ShelliPlanet**4.1, **Python**, BMC Remedy, Sun One 6.1, IIS 6.0, Windows 2008, **Linux**, **Shell Scripting**, Oracle 9i.

**Infosys - Hyderabad, Andhra Pradesh - August 2009 to April 2010**

**Linux Engineer**

**Responsibilities:**

• Installed and configured JBoss application server on various Linux servers.

• Configured Kick-start for **RHEL** (4, and 5), Jumpstart for Solaris and to perform image installation through network.

• Involved in configuration and troubleshooting of multi-pathing Solaris and bonding on **Linux Servers**.

• Installation, configuration and troubleshooting of **Red hat 4.x, 5.x, Ubuntu 12.x and HP-UX 11.x** on various hardware platforms.

• Creating Database users, roles, profiles, alert logs/ trace logs on Oracle Database application boxes and worked on RAC.

• Created virtual server on **VMware ESX/ESXi** based host and installed operating system on guest Servers.

• Worked with **Red Hat Linux tools** like RPM to install packages and patches for **Red Hat Linux server**

• Developed scripts for automating administration tasks like customizing user environment, and performance monitoring and tuning with **nfsstat, netstat, iostat, vmstat** and **ss**.

• Worked with and assisted customers with setting proper priority/severity of problems, work problems to resolution, recorded/documented actions in databases as well as utilized tools and resources.

• Troubleshooting and analysis of hardware and software failures for various Solaris servers (core dump and log file analysis)

• Installed/Configured/Maintained/Administrated the network servers DNS, NIS, NFS, SENDMAIL and application servers Apache, JBoss on Linux.

• Extensive use of Logical Volume Manager (LVM), creating volume groups, logical volumes and disk mirroring in HP-UX and Linux.

• Working with storage team on EMC Storage issues and getting the EMC storage devices for new file systems.

• Supporting application team, storage team, DBA team at OS system level. Environment: **Red hat**, sJBoss, **Ubuntu**, RPM, NIS, HP-UX, **VMWare**, ESXi, LVM and DNS.