**SILPA**

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**Professional Summary:**

* **Around 8 years** of substantial IT experience in **DevOps**, Software Configuration Management, Build, Release Management, Infrastructure Management, Implementing CICD, Systems Administration and orchestration of various environments.
* Experience in Amazon AWS Cloud services like **EC2, S3, Route 53, Auto Scaling, Security Groups, Cloud Watch,VPC, VPN and Storage Gateway.**
* Responsible for operational support activities to ensure availability of customer websites hosted on **AWS** cloud infrastructure using Virtual **private cloud** and **public cloud**.
* Experience in creating and working with various instances of Linux environments on cloud platform like **Amazon Web Services (AWS)**.
* Proficiency in using **Ansible** Playbooks to automate various deployment tasks.
* Strong knowledge on **Ansible Roles**, **inventory,** **Ansible Tower**, **Ansible Galaxy**, ansible.cfg concepts.
* Extensively worked with the Programming languages like **YAML**, Shell Scripting and Python.
* Expertise on all aspects of Chef concepts like **Chef server**, **Workstations,** **Nodes**, **Chef Clients** and various components like **Super Market**..
* Good experience in working with the configuration management tools like **Puppet**, **Chef and Ansible**.
* Experience in Microsoft Azure devops CI/CD pipeline.
* Automate the deployment of the Linux applications in software containers using **Docker**.
* Experience with container based Virtualized deployments using **Docker images**, **Docker Hub** and **Docker registries**.
* Expert in using **Build** management tools like **Maven** and **Ant** for developing the deployable artifacts from the source code.
* Extensively worked on **Jenkins** for continuous integration and continuous delivery of the code.
* Experience in configuring the security and Pipeline jobs in Jenkins.
* Strong work experience in deploying the artifacts to **Nexus Repository Manager** and **Artifactory** using the scripts of Maven and Ant.
* Developed complex **Shell**scripts for many operational needs, such as adding users to servers, and other operational and developer tasks that can be automated via scripts.
* Expertise in working with Version control systems like **Git** and **Subversion**.
* Strong working experience in creating branches, performing Merge operations and creating Tags for the revisions.
* Extensive knowledge in configuring and deploying the artifacts to the web servers like **Apache Tomcat, JBoss** and **WebLogic.**
* Good experience in analyzing the code quality using **SonarQube** during the build phase of the Jenkins.
* Expert in troubleshooting the issues related to the building and deploying of the artifacts.
* Involved in all the phases of Software Development Life Cycle (SDLC) like analysis, design, implementation, test and deployment.
* Experience in Software Development Models like Waterfall model and **agile methodology**.
* Excellent analytical and interpersonal skills, Quick learner and good performer in both team and independent job environments.

**Technical Skills:**

|  |  |
| --- | --- |
| **Version Control Systems** | Subversion(SVN), Git |
| **Build Tools** | Maven, MSBUILD |
| **CI Tool** | Jenkins, Microsoft Azure Devops |
| **Repository Manager** | NEXUS, Nuget |
| **Configuration Management Tools** | Chef, Puppet, Ansible |
| **Programming Languages** | Python, Bash, Ruby Scripting |
| **Linux Environment** | Red Hat, Ubuntu, Centos |
| **Cloud Platform** | Amazon Web Services (AWS) |
| **App Servers** | Apache Tomcat, JBoss |
| **Database Servers** | MySQL, Oracle, SQL Server |
| **Quality Management Tool** | SonarQube |
| **Containerization Tools** | Docker, Kubernetes |
| **Log Analysis Tool** | Splunk |
| **Monitoring Tool** | Nagios |
| **Bug Tracking Tool** | JIIRA, ServiceNow |

**Professional Experience:**

**DevOps Engineer Aug 2018 - tilldate**

**AGFirst, Columbia, SC**

* Worked on **Jenkins** for **Continuous Integration** and automating build and deployment process. Experience on writing source code for Jenkins pipeline using Groovy script.
* Responsible for user account management and installation several Pluginsin **Jenkins** to support multiple build eco systems required for the implementation of projects.
* Responsible for **Continuous Integration (CI) and Continuous Delivery (CD)** process, implementation using Jenkins along with Shell scripts to automate routine jobs.
* Developed build and deployment scripts using **Maven** as build tools in Jenkins to move from one environment to other environments also create new jobs and branches through Jenkins.
* Responsible for administrating the **SonarQube** for code quality check and **Nexus** repository, generating reports for different projects and integration with Jenkins.
* Experience on build code to generate the war file using the **Maven** build and generating the test results using the **SonarQube** and monitoring code coverage using **Jacoco**.
* Experience in writing **Automation Shell scripts** to automate manual tasks, deploy applications, application build scripts or versioning.
* Analyze and resolve conflicts related to merging of source code for **GIT**.
* Proof of Concept on Azure Devops Build/Release pipeline for Dotnet application.
* Developed recommendations for future works.
* Worked on different environments like DEV, UAT and PROD.
* Used **Jira** tool to track all the project defects, changes related to build and Release Team, flagged the issues and maintained bugs.
* Attended Enterprise Professional Training Conferences programs on enterprise cloud migrations, CI/CD Release pipelines, Jenkins, XLR, SonarQube, Nexus, RedHat OpenShift.

**DevOps Engineer Dec 2016-Mar 2018**

**Neiman Marcus,Irving,TX**

* **Release Engineer** for a team that involved different development teams and multiple simultaneous software releases.
* Responsible for designing and deploying best **SCM** processes and procedures.
* Analyze and resolve conflicts related to merging of source code for **GIT**.
* Installed, configured & administered Jenkins CI tool on Linux machines; setup Master-slave architecture to improve performance and used **Jenkins,** for CI & CD into Tomcat Application Server.
* Designing and implementing fully automated server build management, monitoring and deployment By Using Technologies like **Chef.**
* Experience in writing **Automation Shell scripts** to automate manual tasks, deploy applications, application build scripts or versioning.
* Used Jenkins pipelines to drive all microservices builds out to the **Docker** registry and then deployed to **Kubernetes**, Created Pods and managed using Kubernetes.
* Worked on writing **Docker files** and docker-compose files for creating jenkins image with all plugins required for a project. Made use of same jenkins image to run container in remote VM to perform automated builds.
* Worked closely with software developers and DevOps to debug software and system problems.
* Participated in weekly release meetings with Technology stakeholders to identify potential risks associated with the releases

**AWS / DevOps Engineer Oct 2015- Nov 2016**

**Walmart,Bentonville,Arkansas**

* + Worked as a system administrator for the build and deployments process on the enterprise server.
  + Manage **AWS EC2** instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers.
  + Created, detailed AWS Security Groups, which behaved as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
  + Automated the cloud deployments using **AWS** cloud formation templates.
  + Managed **Chef** Cookbooks with Chef roles. Used file module in Chef cookbooks to copy and remove files on remote systems.
  + Written chef recipes to perform middleware binary Installation and Configuration tasks involving JDK, Tomcat, WebLogic binaries installation.
  + Worked with various custom resources, created roles & environments and using chef handlers for various auto kickoff requirement jobs.
  + Responsible for User Management, Administration, Group Management, Slave Management, new job setup in **Jenkins**.
  + Implementing a Continuous Delivery framework using **Jenkins**, and **Maven** in Linux environment.
  + Worked on puppet configuration management tool to automate infrastructure management and configuration.
  + Configured SonarQube code quality tool and integrated it with Jenkins.
  + Managed Nexus, Maven repositories to download the artifacts during the build.
  + Implemented & maintained the Branching and Build/Release strategies utilizing **GIT**.
  + Automated the build and release management process including monitoring changes between releases.
  + Worked on Administration, maintenance and support of Red Hat Enterprise Linux (RHEL) servers.
  + Used **Maven** as a build tool on java projects for the development of build artifacts on the source code.
  + Created **SCM** plan for project extracted configurable items and set up the code repository in Git.
  + Deployed Java applications into Apache Tomcat Application Servers.
  + Executed user administration and maintenance tasks including creating users and groups.
  + Build artifacts are deployed into Tomcat instances which were integrated using the **Python** **scripts**..
  + Prepared **JUnit** test cases and executed server configurations.
  + Worked with **Docker** Trusted Registry as repository for our docker images and worked with Docker container networks.
  + Utilized several **Docker** best practices to create base images from scratch and to create clear, readable and maintainable clean docker files.
  + Done a Proof of Concept on Kubernetes and had got deep knowledge on the components.

**Build & Release Engineer Jan 2012 – Nov 2013**

*Infosys Technologies,Bangalore,India*

* Primary duties include Build and Deployment of the java applications onto different environments Dev, QA and UAT. Used defect-tracking tool Service now.
* Involved in Installing **Jenkins** on a Linux machine and created a Master and Slave configuration to implement multiple parallel builds through a build form.
* Generated Ant, Maven, Perl UNIX scripts for build activities in QA, Staging and Production environments.
* Performed **build automation** from labeling the source code to sending out build status E-Mail and uploading the binary deliverable from where QA and Integration teams can pick it.
* Setup ANT script-based jobs in Jenkins and Worked with Jenkins Pipelines
* Worked on the transition project, which involves migration activities from **Ant** to **Maven** to standardize the build across all the applications.
* Helped developers to resolve subversion code merging issues.
* Worked on puppet configuration management tool to automate configuration.
* Supported daily and weekly routines of pushing good builds based on test results.
* Wrote Perl scripts and automated creating projects in **Jenkins** and **Nexus** repository as part of release process.
* Implemented Jenkins for Continuous Integration Builds, automated deployments and Notifications.
* Worked with Subversion, Proposed and implemented branching strategy suitable for agile/scrum development in a Fast-Paced Engineering Environment.
* Responsible for Plug-in Management, User Management and Backup/Disaster Recovery Plan/Implementation (BDR) on Jenkins.
* Integrated Subversion for automating builds with Jenkins.
* Managed the Subversion branching strategy for a few applications by creating Release branches, Development branches thus ensuring the integrity of Trunk.
* Efficiently performed the task of resolving conflicts while merging in **SubVersion** with the J2EE development background.
* Tweaked and managed the builds by editing build.xml for change in the requirements.
* Managed and performed the environment related configuration changes as a part of deployment.
* Deployed the archives (EAR, WAR, and RAR) to **Web Logic** Application Servers.

**Linux Administrator Jul 2010 -Nov 2011**

*Infosys Technologies Limited, Bangalore, India*

* Assist Senior Systems Administrators/Production Engineer with the design, development, and maintenance of security systems like firewalls, load-balancers, certificate authorities, etc.
* Working closely with the IT teams to provide a robust and stable infrastructure on which to build our products.
* Installation, maintenance and regular upgrades of **Red Hat Servers** using kick start based network installation
* Administration of all server systems, provisioning hardware and software licenses.
* Expert level skills in Server systems administration, **DNS**, and **SQL** Server.
* Experience of **TCP/IP** networking including routing and switching, WAN to WAN, VPN tunnels.
* Build and release software baselines, code merges, branch and label creation and interfaced between development and infrastructure.
* Installed and Configured Send mail Utility on **UNIX** Servers, Administering NFS Mounts.
* Good Quality release notes. Implemented sustainable branching models for organizations
* Maintained other internal tools written in **Shell Script**.
* Following up with the Test Team & Development Team to resolve the build issue.
* Documented the policies and procedures for branching, labeling, code merging, check-in/check-out, and builds.

**Infosys Technologies Limited**

**Programmer Analyst                                                                                 Oct 2008 to June 2010**

**Description:** Enrollment System Redesign, ESR is an online application process for the Veterans enrolment for health care. The veteran may apply for enrollment in person at a VA health care facility, by mail, or by completing an on-line application. VHA uses the military service, demographic and, as applicable, financial information collected on the application form as the basis for determining whether the veteran qualifies for VA health care benefits.

**Responsibilities:**

•        Developed the application using **MVC-1** Architecture using **JSP**, **Servlet**and **EJB**.

•        Participated in client requirement gathering.

•        Involved in developing Class diagrams, Sequence Diagrams using UML.

•        Preparation of the Low Level Design document that includes program specification and unit test plan.

•        Developed **HTML**and **JSP**pages for user interaction and data presentation.

•        Developed JSPs to implement the business logic, and use java beans to retrieve the data.

•        Involved in Coding of Enterprise **Java Beans**, which implements business rules, and business logic.

•        Involved in developing the **Java classes** and**JavaBeans**.

•        Involved in Creation of tables in database.

•        Extensively used **Net beans**for writing code.

•        Involved in Unit and Integration Testing.

•        Used **CVS**for source code version control.

•        Supported Maintenances and bug fixes.

•        Involved in System Analysis and Design methodology as well as Object Oriented Design and development using **OOAD**methodology to capture and model business requirements.

**Environment:** **WebLogic Application Server v9.0, Apache Tomcat Web Server v6.0,  Core Java, HTML, JSP, Servlet, EJB, Java Beans, JUnit, CVS.**

**Education:**

Master’s in computer science, University of Central Missouri, USA (2013-2015).