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**Jose Eduardo**

**Certified DevOps Consultant**

**Summary:**

* **11+ Years of Experience as DevOps/Cloud Engineer and strong background in Configuration Management, Release Management and Cloud Implementation.**
* Provisioned virtual environments using **Docker** and **Kubernetes**.
* Experience in Automated processes with custom built **Python** & **Shell scripts**.
* Experience in cloud automation using **AWS Cloud Formation templates, Terraform and GCP Cloud Build**.
* Good experience in other Amazon web services which includes **EC2, S3, EBS, RDS, ELB, Route 53, Auto scaling, Security Groups and Cloud based services like GCS.**
* Management and design of Integrated build pipelines using continuous integration workflows such as **Jira, Git, Stash, Bamboo, Jenkins, Docker, Kubernetes, Artifactory and Nexus.**
* Experience in software Release management, Deployment and Build management.
* Experienced in Installs, Upgrades, Patches, Configuration, performance tuning on LINUX and system software & hardware. Working on Nagios Monitoring tool installation, Configuration to monitor 100’s of servers in the Linux environment.
* Experience with AWS architecture and services: **CloudFormation, Route53, CloudFront, Auto Scaling, SNS, SQS, Lifecycle Hook, Lambda, IAM, S3, Load Balancer, EC2, Fleet Scheduler, KMS**.
* Experience with container services: **Docker, AWS ECS.**
* Experience with configuration management tools: Ansible and Terraform template.
* Experienced in Amazon EC2 setting up instances, virtual private cloud (VPCs), and security groups.
* Experience in building **NodeJS, Ruby, Java and GO apps**.
* Experience configuring and managing Puppet master server and experience in updating and creating modules and pushing them to puppet clients.
* Experience in writing Ansible playbooks to automate the deployment process and to integrate into Jenkins jobs for a continuous delivery framework.
* Experience in building apache using maven plugin.
* Experienced in branching, tagging and maintaining the version across the environments using SCM tools like **GIT and Subversion (SVN) on Linux and Windows** platforms.
* Has Experience in continuous integration technologies like Jenkins. Designed and created multiple deployment strategies using Continuous Integration and Continuous Development Pipelines.
* Designing and implementing fully automated server build, management, monitoring and deployment solutions spanning multiple platforms, tools and technologies including Jenkins **Nodes/Agent, Chef, Puppet**.
* Worked in an agile development team to deliver an end to end continuous integration/continuous delivery product in an open source environment using tools like Ansible, Puppet & Jenkins.
* Worked in supporting java applications, web applications and **Big data** tools.
* Excellent knowledge on Agile Methodology, ITIL process and microservices architecture.
* Capable of quickly learning and delivering solutions as an individual and as part of a team.
* Experience on Jira for handling the tickets like incidents / Changes and problem tickets.
* Excellent in patches and packages installation through Redhat Satellite Server.
* Good Working knowledge **on AWS and GCP Cloud**
* Installation and troubleshooting on **VMware running Linux (Redhat 7)**.
* Experienced in leading the efforts of Deployment and Build Engineers for Linux Environment.
* Experience in Network Routing Protocols Static routing, BGP, OSPF and IGRP.
* Installation and troubleshooting on network devices like routers and switches.
* Responsible for maintaining all **DBA** functions in Dev, Test and production.
* Experience in Migrating databases between machines.

**Skills:**

**Operating Systems** Red Hat Enterprise Linux, Centos, Solaris, Ubuntu, Windows 10, Mac OS

**Cloud Services** AWS, GCP, Containerization (Docker, Kubernetes)

**Scripting Languages** Python, Bash, Shell, Ruby, Perl, Node.js, Angular js

**Programming Languages** Java/J2EE, Spring

**Database** Oracle MYSQL, NoSQL, SQL Server, PostgreSQL, RabbitMQ, MongoDB

**Application/Web Servers** Apache Tomcat, NGINX, HTTP, Web Logic, Jboss

**Automation/Monitoring tools** Ansible, Chef, Jenkins, Puppet, Nagios, Nexus, Zabbix, New Relic

**Source/Version Control Tools** GIT, Subversion (SVN), Clear Case, GitHub, JIRA, Bitbucket, GitLab

**Build Tools** Maven, Gradle, Ant, SonarQube, Stash, Vagrant, Redis

**Bug tracking tools** HP ALM, Rally, JIRA and TFS

**Web Technology** XML, HTML5, PHP, CSS, Java Script, Servlets, Django, JSP, Bamboo

**Certifications:**

* AWS Solution Architect – associate, Amazon Web Services
* GCP Cloud Engineer – associate, Google Cloud Platform

**Education:**

* Bachelor’s in computer science, IPN, Mexico.

**Professional Experience:**

**Client: JPMorgan Chase & Co, TX Apr 2022 – till present**

**Domain: (Banking, Financial)**

**Role: DevOps Engineer**

**Responsibilities:**

* I bring a wealth of hands-on experience in **AWS** architecture design, application **development**, **testing**, and ensuring operational stability in high-demand production environments.
* My proficiency extends across a spectrum of compiled and interpreted languages, including **Java**, **Python**, and **JavaScript**.
* Demonstrating advanced knowledge in site reliability culture and principles, I have a proven track record of implementing site reliability within diverse applications and platforms.
* Exhibit high expertise and extensive experience in observability, covering **white and black box monitoring**, service level objectives, and telemetry collection. Proficient in tools such as **Grafana**, **Dynatrace**, **Prometheus**, **Datadog**, **Splunk**, and others, ensuring comprehensive insights into system health.
* Hold significant experience in an **SRE** engineering role, actively contributing to the support of highly available production systems in AWS cloud environments. Additionally, I have played a pivotal role in designing and implementing the **DevOps**/**SRE** function, integrating mature cloud DevOps and SRE best practices.
* Possess a strong understanding of cloud architectures, **microservices**, and **distributed systems, underscoring a holistic view of cloud-based solutions**.
* Bring hands-on experience in the effective use and enablement of monitoring and alerting tools and services, ensuring proactive management of system health and performance.
* Possessing a solid understanding of agile methodologies, I seamlessly integrate **Continuous Integration/Continuous Deployment (CI/CD), Applicant Resiliency, and Security principles** into project frameworks.
* Hold an AWS Solution Architect cloud certification, validating comprehensive knowledge and expertise in AWS cloud architecture.
* Installed and configured **Prometheus** to constantly monitor network bandwidth, memory usage, hard drive status and custom api health checks.
* Deploying and managing the configurations using **Ansible playbooks**.
* Able to automate infrastructure using scripts (**python,** **ruby** and **shell**).
* Configuring, Monitoring and Reporting health checks using **Prometheus**.
* Deploying .war files to tomcat in the REDHAT **(Linux)** environment.
* Continuous Integration and deployment process.
* Created and Presented architectural Diagrams to the Client.

**Environment:** AWS EC2, RedShift, Terraform, IAM, Phyton, Gitlab, Shell, Perl, GIT, Nexus, Tomcat, JIRA, Prometheus, OWASP, SAML and SonarQube.

**Client: Silicon Valley Bank, TX Nov 2021 – Apr 2022**

**Domain: (Banking, Financial)**

**Role: DevOps Engineer**

**Responsibilities:**

* Interacted with internal clients to gather infrastructure requirements and translate those into terraform templates.
* Experience in **provisioning redshift clusters, EC2,** and **Elastic IP** also by using **Terraform templates**.
* Experience in making architectures scalable by using **modules** with **terraform**.
* Using CloudWatch to track metrics and monitor the health/utilization of **AWS** resources.
* Utilize **Terraform** and **gitlab** to automate infrastructure provisioning and deployment to reduce time to production.
* Supported initial migration of Big Data infrastructure to AWS cloud: **EMR, Spark, Presto, Hive, RDS, Redshift (later with Spectrum), EC2s, VPCs, ELB, CloudFormation, Terraform automation, data ingestion and ETL scripts (bash and Ruby).**
* Automated build and deployment using gitlab to reduce human error and speed up production processes.
* Worked on software containerization platforms like **Docker** and container orchestration tools like **AWS ECS - Cluster, Services, Task Definition.**
* Extensive experience in working with **JBOSS & Apache Tomcat** application servers.
* Installed and configured **Prometheus** to constantly monitor network bandwidth, memory usage, hard drive status and custom api health checks.
* Deploying and managing the configurations using **Ansible playbooks**.
* Able to automate infrastructure using scripts (**python,** **ruby** and **shell**).
* Configuring, Monitoring and Reporting health checks using **Prometheus**.
* Deploying .war files to tomcat in the REDHAT **(Linux)** environment.
* Wrote spec files and configured **Linux** environments to build RPMS as Artifacts.
* Design, create, implement, and support databases to meet project and system design requirements.
* Architecting the **Git** Branching strategies. Proposed and implemented the Branching schema to automate the Continuous Integration and deployment process.
* Created and Presented architectural Diagrams to the Client.
* Defined and implemented the whole **CI-CD process**.

**Environment:** AWS EC2, RedShift, Terraform, IAM, Phyton, Gitlab, Shell, Perl, GIT, Nexus, Tomcat, JIRA, Prometheus, OWASP, SAML and SonarQube.

**Client: AT&T, TX Mar 2021 – Nov 2021**

**Domain: (Tele Communications, Telecom)**

**Role: DevOps Lead**

**Responsibilities:**

* Interacted with clients to gather all requirements to formulate business specifications and translate those into application functionality.
* Experience in **Configuring Virtual servers, EC2,** and **Elastic IP** also by using **Amazon machine Image**.
* Experience in Making architectures scalable by using Kubernetes in **AWS**.
* Using CloudWatch to establish metrics and monitor the health/utilization of **AWS** resources.
* Utilize **AWS Cloud Formation** to automate infrastructure provisioning and deployment to reduce time to production.
* Supported initial migration of Big Data infrastructure to AWS cloud: **EMR, Spark, Presto, Hive, RDS, Redshift (later with Spectrum), EC2s, VPCs, ELB, CloudFormation, Terraform automation, data ingestion and ETL scripts (bash and Ruby).**
* Automated build and deployment using Jenkins to reduce human error and speed up production processes.
* Worked on software containerization platforms like **Docker** and container orchestration tools like **AWS ECS - Cluster, Services, Task Definition.**
* Extensive experience in working with **JBOSS & Apache Tomcat** application servers.
* Installed and configured **Nagios**, Prometheus to constantly monitor network bandwidth, memory usage, and hard drive status
* Deploying and managing the configurations using **Ansible playbooks**.
* Able to automate infrastructure using scripts (**python,** **ruby** and **shell**).
* Responsible for maintaining all DBA functions in Dev, Test and production.
* Experience in Migrating databases between machines.
* Configuring, Monitoring and Reporting health checks using **Nagios**.
* Deploying .war files to tomcat in the REDHAT **(Linux)** environment.
* Wrote spec files and configured **Linux** environments to build RPMS as Artifacts.
* Design, create, implement, and support databases to meet project and system design requirements.
* Architecting the **Git** Branching strategies. Proposed and implemented the Branching schema to automate the Continuous Integration and deployment process.
* Created and Presented architectural Diagrams to the Client.
* Defined and implemented the whole **CI-CD process**.
* Integrated Enterprise Jenkins with **Gitlab** to **trigger builds** from merge requests and tags.

**Environment:** xDocker, SVN, CVS, ANT, Azure, Kubernetes, Maven, AWS EC2, OpenShift, Puppet, Shell, Perl, GIT, Nexus, Jenkins, Tomcat, Shell, JIRA, Nagios, OWASP, SAML and SonarQube.

**Client: BBVA USA, TX Dec 2018 – Feb 2021**

**Domain: (Banking, Financial)**

**Role: DevOps Developer**

**Responsibilities:**

* Responsible for assigning the requirements to resources.
* Implementing new projects builds framework using **Jenkins** & **maven** as build framework tools.
* Worked with **AWS Cloud management** and **puppet** Automation.
* Involved in AWS solutions using **EC2**, **S3**, **RDS, EBS, Elastic Load Balancer, Auto scaling groups**.
* Implementing a Continuous Delivery framework using Jenkins, Chef, Ansible, Maven in **Linux** environment.
* Setup CServer, workstation, client and wrote scripts to deploy applications.
* Used cookbooks, recipes, roles, run list to deploy web applications, applications servers and vendor applications.
* Used Test Kitchen to test the scripts and used Ohai to collect attributes on nodes.
* Maintained Chef Servers and management application that can use Service Now (CI) data to bring computers into a desired state by managing files, services, or packages installed on physical or virtual machines.
* Installed and configured **Splunk** forwarder for log forwarding and wrote indexers and parsers for system and application monitoring.
* Used **GIT** version control to manage the source code and integrating GIT with Jenkins to support build automation.
* Created puppet manifests and modules to automate system operations.
* Worked in supporting java applications, web applications and Big data tools.
* Experience in writing defines types, so the modules are reusable.
* Based on business requirements written roles and profiles to the modules to avoid the repetition and duplication of logic at node level.
* Automated the environment using puppet from scratch level.
* Involved in automating the WebLogic server installation, and its components using puppet.
* Automated the Jboss components like managed servers, data sources, mail resource, Jdbc, jms and tested.
* Automated the apache installation and its components using puppet.
* Used **GIT** version control to push the modules to GitHub.
* Good in **Ruby** and **Bash** shell scripting for writing up scripts for matrix collection of various applications and automation of day to day activity.

**Environment:** Puppet, AWS, Ruby, Shell Script, JBOSS, WebLogic, Jenkins, Git.

**Client: Tango Telecom, Mexico City Dec 2016 – Nov 2018**

**Domain: (Telecom)**

**Role: DevOps/Cloud Engineer**

**Responsibilities:**

* Managing applications on **AWS** and migration to AWS.
* Application deployment with **Kubernetes** & **Docker**.
* Cloud Automation, Devops, CI CD continuous Integration and Continuous Deployment. Automation with **Python, puppet, GIT and Jenkins**.
* Wrote Python scripts to automate system admin tasks.
* Perform code upgrades and migration of servers and storage as part of tech refresh project.
* Proposed and implemented the Branching schema to automate the Continuous Integration and deployment process.
* Created and Presented architectural Diagrams to the Client.
* Defined and implemented the whole CI-CD process.
* Integrated Enterprise Jenkins with **GitLab** to trigger builds from merge requests and tags.
* Configured the environment to build angular is and spring boot java code using npm and gradle.
* Integrated Artifactory with the environments to pull dependencies and push binaries.
* Proposed and implemented a solution to have angular binaries as **RPMS**.
* Wrote Jenkins file in groovy DSL to avoid manual configuration of Jenkins.
* Wrote shell scripts to copy the artifacts to Dev,Test ,pre prod and Prod environments and deploy the packages.
* Wrote Ansible scripts to automate the installation of various tools at Enterprise Level .e.g. **Git, Jenkins** and **chef**.
* Wrote shell scripts to automate the installation process of chef-workstation ,chef-client and chef-server.
* Installed and configured Apache **Ambari** in Hartonworks **Hadoop2**.6 cluster on Redhat Environments.
* Created local maven repo to install dependencies for Hortonworks Hadoop.
* Filing bug reports and updating of tasks in **JIRA**.
* Provided training to Clients on **CI-CD** process including Jenkins and GitLab integration.
* Used **AWS** **EC2** services and Pivotal cloud foundry.
* Validation of software, hardware, and documentation prior to deployment in the existing FIOS environment.

**Environment:** Subversion, GIT hub, Shell, Perl scripts, Docker, AWS, Kubernetes, ANT, MAVEN, Jenkins, OpenShift, Chef, JIRA, Nexus, LINUX, UNIX, Java, J2EE, OWASP, SAML.

**Client: HP Enterprise, Ca Feb 2015 – Nov 2016**

**Domain: (Telecom)**

**Role: IT Support Engineer**

**Responsibilities:**

* Administration and maintenance of Red hat Linux
* Worked on Oracle and MySQL Databases and performed performance tuning and troubleshooting.
* Worked on User administration setup, maintaining account, Monitor system performance.
* Activities include user administration; startup and shutdown scripts; crontab, file system maintenance,
* backup scripting and automation using Perl, shell scripting (bash, ksh) for Red Hat Linux systems.
* Troubleshooting day-to-day server related issues and problems in terms of operating system, applications and
* network
* Maintained and monitoring System Activities like CPU, Memory, Disk and Swap space usage to avoid any
* performance issues
* Experience in installing, integrating, tuning and troubleshooting Apache and Tomcat application server.
* Performed application installation and management on Linux servers for applications like JBoss 4.2.x, 5.x,
* Oracle
* Managing IT department&#39;s LAMP stack and configuration management.
* Provided documentation, development and management of web products and interfaces for retail processing.
* Programmed user interfaces that combined System platform with LAMP.
* Worked on the configuration of mail server using Send mail 8.10.x, 8.11.x.
* Installation of SAMBA 3.3.x server for interface between Linux servers and Windows servers to share files.
* Install and configure SSH to enable secure access to the servers.
* Modified the Linux kernel to add tracing probes for Configuration access tool.
* Environment, Command line, Current working directory, root directory, executed command.
* Experience in Shell scripting bash to automate system administration jobs

**Client: Ericsson, Mexico City Jan 2012 – Jan 2015**

**Domain: (Telecom)**

**Role: Release Engineer**

**Responsibilities:**

* Work closely with Business Analysts in Gathering requirements, analyzing feasibility and timelines.
* Delivered specific versions of various components of an application into target environments.
* Have used Confluence to create, share and discuss content and projects.
* Familiar and experienced with **Agile Scrum** development.
* Attended the Minor/Major Event change control meetings to get necessary approvals for the deployment request.
* Used Perl/Shell to automate build and deployment Process.
* Experienced in using **Ansible** as a configuration management tool and developed **Ansible Playbooks** to provision **Apache Web servers, Tomcat servers, Nginx** and other applications.
* Hands on experience in Installing, Configuring of **Puppet** server-clients and wrote Puppet Manifests to automate infrastructure.
* Ability in development and execution of **Shell scripts, XML and Python Scripts** to automate the administrative tasks.
* Expertise in branching, tagging and maintaining the version across the environments by using Source Code Management tools like **Bitbucket**, **GitHub** and Version control tools like **GIT**, **Apache Subversion (SVN)**.
* Extensively worked on administrating tools like **Jenkins**, **Bamboo** for leveraging continuous integration and continuous delivery processes for service development.
* Experience at automating the release process of products using **shell scripts** with tools like **Apache Ant** and **Maven**.
* Coordinated with developers, Business Analysts and Managers to make sure that code is deployed in the Production environment.
* Executed the DB Scripts (DML and DDL) which have dependencies on the code on **Oracle DB**. Documented the deployment process (Migration Doc) of code to production on an Excel Sheet.

**Environment**: SOAP, REST, Bamboo, ANT, WebSphere, Perl/Shell Scripts, Oracle, UNIX, Bugzilla, Jenkins, Puppet, Maven, AWS, NoSQL, Sonar Integration.