SUJITH

DevOps Engineer
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PROFESSIONAL SUMMARY:

- Over 9+ Years of Professional IT experience in DevOps automation Build and Release Management, Software configuration management.
- Having worked under many technical platforms like Web & Cloud/Server environment using Java/J2EE/JEE Technology, AWS & Open Source technologies for Build and Release automation process both in Linux and Windows environment.
- Experience in automation process from system administration tasks to **Continuous Integration** and **Continuous Deployment** (CI/CD) with Jenkins build tools.
- Experience in all facets of full CM process with tools like GIT, SVN, Jenkins, Chef, Puppet.
- Build pipeline design and optimization using GIT, SVN, Maven and Nexus for J2EE deployments.
- Involved in setting up the **CI/CD pipeline** using GitHub, **Jenkins**, **Maven**, **Nexus**, **Chef** and AWS, XL Release.
- Expertise in Source Code Management tools such as SVN, **GIT**, Clear Case administration, CVS.
- Support of application stacks from a mixture of technologies including Apache Tomcat and JBOSS.
- Implemented and maintained Apache, **DHCP, SSH, DNS**, Remote Access, **FTP**, Security Management and troubleshooting skills.
- Experience in using bug-tracking systems like **JIRA**.
- Worked on Amazon Cloud Services (AWS) and its features (**AWS EC2. VPC, EBS, AMI, API's**, Snapshots, Autoscaling, Cloud Formation, ELB, S3)
- Used **Jenkins**, **Docker** for testing reporting and other process at different
- stages.
- Utilized **PowerShell** and **VBScript** for silent install and uninstalls of applications management and build scripts.
- Knowledge on **Power Shell** Scripts to connect to SQL Databases.
- Experience in using **Maven**, **ANT** as a build tool for building the deployable artifacts from the source code.
- Strong knowledge on **Ansible** roles, Inventory, Modules and playbooks to automate various deployment tasks.
- Good experience in analyzing the code quality using **SonarQube** during the build phase of the Jenkins.
- Experience on working tools with source version control tools like **GIT, SVN** and managed Branching, Tagging, Merging.

Certification:

 AWS Certified Developer – Associate Level
 Validation number: H3DKMV4CBJ1QQ1G5
 AZURE Fundamentals -AZ900
 Candidate Id: MS0991471849

Technical Skills:

VersionControl Tools:
GIT, GITHUB, Bitbucket.

Build Tools:
Maven, ANT

Continuous Integration
Jenkins, Bamboo

Scripting
Shell, JavaScript, Python, Power shell

Configuration Management:
Chef, Ansible

Web Tools
JSP, PHP, XML, Springboot

Databses
MySQL, NOSQL

Quality Management Tool
SonarQube

Application Servers
ApacheTomcat, Weblogic, Websphere, JBOSS

Cloud Computing
AWS (EC2, ELB), Azure, GCP

Operating Systems
Windows, Linux, RdedHat, CentOS

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Achievements & Appreciation:

- **As a Team we were able to automate 20+ applications each year and worked with different teams to have the applications enterprise compliance at CME Group, Chicago.**
- **We had appreciations from different teams for the achievements and to drive the application delivery at an early pace.**

PROFESSIONAL EXPERIENCE:
Client: Charles Schwab - Dallas, TX
Duration: Oct 2021- Present
Domain: Capital Market
Role: Lead DevOps Engineer

- On a project basis, I must implement **CI/CD** for the applications. I use different tools like **Bitbucket, Bamboo, Maven,** and **Nexus** for efficient deployments throughout the **CI/CD** process.
- I use **Jira** to track the **bugs** encountered in the releases, besides we have different teams creating Jira tickets for support on the issues. Have also worked on **Remedy** for a successful release.
- I am also working with cross functional teams to provide release automation support using different automation tools like **Bamboo** and integrating Databases using scripting languages like **SHELL**, **Python**.
- On a quarter basis, we have DR activity. I was involved in testing the servers if they are up and running due to any fail over on the running servers.
- I have experience on working on **Security** vulnerabilities that flags on our Automation servers and protecting them from different threats.
- Identifying and fixing the issues (we mitigate them by fixing the vulnerable paths or versions that causing the threat).
- Worked for different teams to onboard them to CI/CD and supporting them to have seamless PROD deployments ensuring the systems are up and running.
- Build servers using **AWS**, importing volumes, launching **EC2**, creating security groups, auto-
- scaling, **load balancers** in the defined virtual private connections.
- Build Cloud Formation Templates and stacks for continuous Integration to launch multiple AWS services (**EC2**, **ELB**, Auto-Scaling) using **JSON**.
- Worked with various AWS services like **EKS, VPC, EC2, S3, ELB, EBS, RDS, IAM**, **CloudFormation, Route53, CloudWatch, CloudFront, CloudTrail, AWS Inspector, AWS config**.
- Configured Elastic container service (**ECS**) and Docker engine to deploy micro services-oriented environments for scalable applications.
- Deployed and managed Docker containerized applications onto Amazon Elastic Container Service for Kubernetes (**EKS**) and Azure Kubernetes Services (AKS).
- Created EC2 Instances for Web based Applications and attached **Elastic Load Balancing** (ELB)for high performance across multiple AZ's
- On a need basis, I must do **SHELL** scripting to make the deployments success for the project release.
- We have this on-site and off-site project model, while we identify the requirements and do the required knowledge transfers for the implementations.
- Besides, I am also involved in giving technical support across all the applications we are aligned. This covers mainly PROD support.
- Worked with Software Delivery management team in order to bring up the Continuous deployment on different stack of tools like **Harness** to run the pipelines, **PCF** to deploy our apps and services and **Podman** as our containerization tool.

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Client: CME Group - Chicago, IL
Duration:Oct 2018 – Oct 2021
Domain: Capital Market
Role: DevOps Engineer

- I use different tools like **Bitbucket, Jenkins, Maven, Nexus and Chef** for efficient deployments throughout the **CI/CD** process.
- On a need basis, I must do **SHELL** scripting to make the deployments success for the project release while working with Data base technologies on different applications.
- Setting up the pipeline to accomplish different phases of the project using **Jenkins. Bamboo** will do the build automation and to get access of different tools and repositories I use **Jira**.
- I am also working with cross functional teams to provide release automation support using different automation tools like **Jenkins** and integrating Databases using **Flyway**.
- As applications being automated, most of the applications is handed over to our team to bring **automation** up and running.
- On a project basis, I must implement **CI/CD** for the applications and use Monitoring/Performance tools like **ELK** (**Elasticsearch, Logstash, Kibana**).
- As we work on a greater number of applications, we also have offshore team that takes care of some of the applications and we manage all these applications using the same set of tools.
- To get these applications automated, I use **Ansible** to define all the tasks through **Playbooks** and deploy the applications on targeted hosts through **Jenkins**.
- I use **Jira** to track the **bugs** encountered in the releases, besides we have different teams creating Jira tickets for support on the issues.
- Some of our applications do have **UC4** jobs where we will have some of our profiles to be controlled in respective environments.
- Have worked on the **Bootstrap** applications, timely used in case of our rollbacks. However, most of all the applications are bootstrapped.
- To deliver the software, we use **XLRelease** as our **Continuous Delivery** tool to deliver the application.

Client:Equifax
Atlanta, GA
Duration: July 2017 - Sep 2018
Domain: Technology & Services
Role: DevOps Engineer

- Launched Amazon **EC2** Cloud Instances using Amazon Images (Linux/ Ubuntu) and launched instances with respect to specific applications.
- Manage **AWS** EC2 instances utilizing **Auto Scaling, Elastic Load Balancing, EBS** 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.
- Maintain and improve automation in support of self-service DevOps pipelines for both backend and frontend development teams.
- Used Ansible to run ad-hoc commands and **playbooks** to automate tasks and written playbooks. Worked with **Ansible** in conjunction with Vagrant in a DevOps environment.
- Automate Build and Deployments on apache and CQ5 servers using Jenkins and Ansible.
- Implemented Continuous integration and Continuous Delivery process using **GIT/SVN, Jenkins, Maven, and Ansible**.
- Written deployment scripts in Shell.
- Worked on Build and Release process for various servers like Apache.
- Written Ansible playbooks to perform middleware binary Installation and Configuration tasks involving **JDK, Tomcat**, **WebLogic** binaries installation and to install required packages on cloud machines.
- Created various branches in GIT, merged from development branch to release branch, created tags for releases.
- Setup pre-commit hooks to remove **check-in** access to developers in 'tags'folder.

- Rolled back buggy code from production release.
- Coordinated different teams across the globe to deploy different builds to different environments on parallel development for multiple projects (**DEV, QA, UAT, PRODUCTION).**
- Created Jenkins jobs for continuously building the projects. Scheduled jobs to build upon every check-in into subversion. Setup shell script in Jenkins jobs to do pre and post build operations.
- Setup automated email notifications on build status for every Jenkins build. Installed Jenkins agents on client machines and installed all the packages required for doing the builds, for e.g.: Java, Maven etc...
- Staged all the packages on shared server for SIT, pre-production and production environments.

Client: Lotus Medi Soft Solutions Pvt Ltd, Hyderabad, India
Duration: Oct 2014 - Nov 2015
Domain: Web Services
Role: Build and Release Engineer

- As part of DevOps, my role includes release management, Environment Management, deployments, **Continuous Integration** & **Continuous Deployment (CI/CD)**, Incident management, version management.
- Creating from scratch a new continuous integration stack based on **Docker** and **Jenkins** allowing transition from dev stations to test servers easily and seamlessly.
- Used **Chef** for server provisioning and infrastructure automation in **AWS**. Have used **ServiceNow** to create workflows.
- Created a functional test environment in AWS where the functional tests will run on the **EC2** instances dynamically. Attached **EBS** to the created **EC2** instance for our database applications.
- Created **VPC** using Cloud formation templates in **AWS**, which includes security groups, key pairs, Route tables, and Internet Gateway.
- Set up CI (Continuous Integration) for major releases in Jenkins.
- Very good experience in GIT that include creation of **GIT** hooks
- Integrate **Unit Testing**, **Code Coverage** and Deployment tools with **Jenkins** and **Maven**
- Experience in creating Test Automation scripts pertaining to Agile-based Continuous Integration environments
- Scripting of administration tasks using Command Line (CLI), **Shell Scripting**.
- Responsible for Automating Java Builds with Maven. Implemented multiple plugins for **Code analysis**, Junit, **Code coverage**, **SonarQube**, etc.
- Responsible for Monitoring and Reporting tools in Build Automation and Release Management.
- Understanding the protocols such as **TCP/IP, HTTP, DNS, SMTP** and working independently to make recommendations.
- Responsible for defining branching & merging strategy, check-in policies, improving code quality, automated Gated Check-ins, defining backup and archival plans.

Client: Verizon - Hyderabad, India
Duration: February 2014 – October 2014
Domain: Telecommunications
Role: Technical Support Engineer

- Research and identify solutions to software and hardware issues.
- Diagnose and **troubleshoot technical issues**, including account setup and **network configuration**
- Ask customers targeted questions to quickly understand the root of the problem
- Track computer system issues through to resolution, within agreed time limits.
- Talk to clients through a series of actions, either via phone, email or chat, until they've **solved** a **technical issue.** Maintain good relationships with clients
- Properly escalating unresolved issues to appropriate internal teams (e.g., software developers).

- Provided prompt and **accurate feedback** to **customers**
- Refer to internal database or external resources to provide accurate tech solutions
- Ensure all issues are properly logged, Prepare accurate and timely reports.
- Prioritize and manage several open issues at one time. Follow up with clients to ensure them **IT systems** are fully functional after troubleshooting.

Kizmet Tech Solutions Pvt Ltd, Hyderabad, India
Duration: March 2012 – February 2014
Domain: Web services
Role: Linux System Administrator

- Installation and Configuration of **Red Hat Enterprise Linux 6.0, ESX 3.5, ESX 4.0** Servers.
- Creating and managing Virtual Machines, Installing VM Tools into VM's and allocating for end User. Creating and managing Resource Pools and adding the VM's into Resource pools.
- Creating monthly and weekly reports regarding storage, memory, CPU usage and summary of the VM's sent to site in charge.
- Coordinating with Vendors for any critical hardware problems till the problem gets resolved.
- Creating and Managing User Accounts & Groups.
- Disk Partitioning using **Logical Volume Manager** (LVM).
- Scheduled various regular, periodic queue tasks by using crontab.
- Install the packages with **YUM & RPM** and upgradation patches in Linux.
- Configuring project related applications and tools.
- Monitoring File System use and growth.
- Administration of file and directories with basic file permissions.
- Taking System backup and recovery Using tar
- Configured network services such as **NFS, DNS, SAMBA** and **NIS**
  Incident/Change Management:
- Creating, scheduling and implementing a change request as per agreed SLA time.
- Attending Change Management Review Meeting on behalf of my team on a rotational basis.
- Providing 24/7 supports by on call support from home during critical situation.
- Attending CAB (Change Advisory Board) Meeting on rotational basis

EDUCATION

Master of Computer Information Systems, 2017
New England College, Henniker, NH, U.S.A.

Bachelor of Engineering in Electronics and Communication, 2011
Karunya University, Karunya Nagar, India.

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