SAI DEVAGUPTAPU

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SUMMARY

- Experience in Branching, Merging, Tagging, and maintaining the version across the environments with version control systems like GIT and used Source code management client tools like GitBash, GitHub, Git Lab.
- Build script using Maven and ANT build tools in Jenkins to move from one environment to another environment. Created Jenkins job to build the artifacts using maven.
- Developed and deployed Chef, Ansible based on their cookbooks, recipes, manifest and roles
- Worked on maintaining Docker Images and containers.
- Implementation of Continuous Delivery pipeline using Docker, Jenkins.
- Automated builds using Gradle, Continuous integration using Jenkins, build pipelines using Jenkins plugins.
- Experience in support of multi-platform like UNIX, Linux, Ubuntu.
- Writing application software, data analysis, data structures, data access, and data manipulation, creating databases, implementation, Integration & Testing, Acceptance, Installation & Deployment, and Maintenance.

EDUCATION

DePaul University - Master's in Computer Science   **Chicago, IL September 2018 – March 2021**

EXPERIENCE

Yoda Quoter Inc -Software Engineer Intern   **Jan 2021-March 2021**

Responsibilities	- Worked with Selenium to test the web Application and performed Bug Fixes. - Involved in Backend Development using. Net Core 2.1 Backend with ABP Framework. - Hosted the Application in Azure Kubernetes Cluster as Micro Services. - Worked on HTML and Type Script code for front-end application Development. - Worked on Web and Interface Development for the application using Java Script, CSS.

ezClinic – Development Engineer Intern   **Jan 2021-March 2021**

Responsibilities	- Involved in deploying python application to the cloud using AWS Beanstalk. - Worked on cloud services like EC2, and VPC to build secure, highly scalable, and flexible systems - Developed Shell/Python Scripts for automation purpose. - Created Branches, and performed Merges using Source Tree. - Supported the application in production and worked closely with offshore teams.

ECIL ltd -Systems Engineering Intern   **May 2017- July 2018**

Responsibilities	- Install and configure Ubuntu, Centos on remote servers and Desktop servers - Created and modified users and groups with SUDO permission. - Creation and administration of Virtual Machines using VMware and virtual box. - Remotely coping files using SFTP, FTP, SCP, WinSCP, and FileZilla. - Responsible for configuring and connection to SSH through SSH clients like Putty

PROJECTS

Network Management Project:

- Applied Python and shell scripting to collect data from syslog and identify security risks and account activities.
- Used different approaches like CLI, telnet, SNMP to perform network management functions.
- Applied SNMP API to read/write configuration data (and traps) and conduct network management functions on Ethernet switches and IP router and used tools like MRTG to conduct performance analysis and generate time series graph
- Developed a web site to perform network management functions and used API to automate networks tasks of Fault Management, Configuration Management, Accounting Management, Performance Management, and Security Management
- Developed the website using tools like HTML, CSS and Bootstrap.

Continues Delivery and DevOps Project

- Created and Deployed a sample Spring Pet clinic Spring Boot Application.
- Build the application using Maven Plugin and completed the build using Travis CI
- Involved in writing Java code and some skeleton build scripts for Ant, Ivy, Maven, and Gradle.
- Created a remote Repository and forked it to GitHub Repository
- Created Vagrant File and used it to automate the creation of Virtual Machine
- Tweaked the application build so that it works on Heroku. Created a pipeline and deployed the application.
- Developed and deployed Chef based on their cookbooks, recipes.

QUALIFICATIONS

Languages and Database: C#, Python, HTML, Shell scripting, SQL server, MySQL.
Version Control and Monitoring tools: Git, Bitbucket
Build and Containerization Tools: Apache ANT, maven, Docker.
Configuration management Tools: Puppet, Chef, Ansible
Continuous Integration: Jenkins, Travis CI
Operating Systems and Networking: windows, Linux, Ubuntu, Fedora, CentOS, TCP/IP, NFS, DNS, DHCP
Virtualization and Cloud Technologies: VMWare, Heroku, AWS EC2, AWS Beanstalk