Mohan Paramanantham

Software Engineer

Chennai, 89402-33557 mohanparamanantham@gmail.com

SUMMARY

Skilled Software Engineer with 2-years and 2-month hands-on experience on Programming, automating, and leveraging configuration management, CI/CD, and DevOps processes.

ORGANIZATION EXPERIENCE

Since OCT'18 with HCL Technologies Ltd., Chennai as Software Engineer

PROJECTS

Name: XEROX

Description:

- Xerox Corporation is an American multinational document management corporation that produces and sells a range of color and black-and-white printers, multifunction systems, photo copiers, digital production printing presses, and related consulting services and supplies. Multifunctional printers are capable of copying, scanning, printing, sending and receiving email and fax.
- Xerox Discovery is a project where we fix defects raised by the Tester and also implement small feature request and it needs to be added in the existing platform. Complete testing has to done before delivering the fix or feature.

Company: HCL Technologies

Period: Since Oct'18

Operating Systems: Windows, Linux

Language: C, C++, Python

Scripting: Ruby, Perl, Shell Script

Markup Language: HTML, CCS

Code maintenance Tools: Clearcase, Accurev, BitBucket.

Containerization: Docker

DB: MySQL

Tools used: MS Office, JIRA, Fixit, JFrog, Clearcase, Accurev, BitBucket, AWS, Jenkins, Puppet Enterprises.

Roles and Responsibilities:

- ➢ Worked on feature development and defect analysis on C++, Python, Perl and Ruby programming experience, thereby commit the code into Accurev and Bitbucket and handling DevOps – Continuous Integration and Continuous Deployment using AWS, Jenkins, Docker.

- ➢ Adding Test cases and to verify the functionality and impact on every modules of the project.

- ➢ Expertise on scripting language Ruby, Perl and shell script for automation tasks

- ➢ Hands-on experience on Python coding for API interaction with tool using swagger.

- ➢ Experience on working with version control systems tool Bitbucket and accurev.

- ➢ Performed software roll-ups and emergency bug fixes, refreshing test servers on a Daily basis, and developing backup & disaster plans to ensure rapid recovery

- ➢ Implementing best practices for software development, realizing improvements in efficiencies, risks, and less business interruptions

- ➢ Worked on tool migration from Accurev to GIT.

- ➢ Worked on "Code Review" and Unit Testing of different modules as per the requirement in the project.

- ➢ Integration testing to improve the quality of the module and to ensure the module functionality.

- ➢ Strong Knowledge on Pointers.

- ➢ Automated Jenkins and pipelined build by Shell Script, Groovy and Ruby scripting.

- ➢ Create and maintain fully automated CI/CD pipelines for code deployment using Jenkins.

- ➢ Created Jenkins build to fetch code from git on every commit and store the build artifact in AWS S3 bucket.

- ➢ Built and deployed Docker containers to break up monolithic app into micro services, improving developer workflow, increasing scalability, and optimizing speed.

- ➢ Maintained Jenkins build for different baseline of the project and make it more than 10 release per day

- ➢ Validate UI Unittest case and build with maven on Jenkins and make it to deploy on tomcat server.

- ➢ Ability to design and maintain cloud based infrastructure using AWS EC2 instance and worked on creating AMI services to launch the cloud instances.

- ➢ Monitor 30+ cloud instances and sent alert to organization by using AWS cloud watch

- ➢ Storing data in S3 and amazon glacier for Xerox platform applications.

- ➢ Experience on creating EBS volumes and add it to the instance.

- ➢ Knowledge on writing terraform Hashicorp configuration language thereby maintain the cloud infrastructure.

- ➢ Designed, rolled out, and managed 200+ physical Linux server with Puppet Enterprise infrastructure

- ➢ Wrote Puppet manifests and modules to deploy, configure, and manage physical servers

- ➢ Prior experience on mysql using python.

> Prior experience on HTML and CCS for Sustaining Release Notes.

ADDITIONAL SKILLS

> Knowledge on Container Management Kubernetes

CERTIFICATION

> Completed Basic Devops Certification (Kubernetes,AWS Services,Terraform) when started as a fresher in HCL Technologies

AWARDS

> ***ERS CHAMPION of the Year 2019-2020***

EDUCATION

- Completed B.E in Electronics and Communication Engineering, at Anna University - MIT from 2014-2018 with an aggregate 79%.
- Higher Secondary (State Board 2014) with 97% aggregate.

PERSONAL DETAILS

Name   : Mohan Paramanantham
Date of Birth   : 10-07-1997
Gender   : Male
Marital Status: Single
Lang. Known : English and Tamil

DECLARATION

I declare that the above given information are true to best of my knowledge.

Place: Chennai   Yours truly,

                                                        Mohan P