**Elumalai Vipooshnan**

 **DevOps Engineer/Build and Release Engineer**

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**619-518-0487**

**SUMMARY**

* Over 14+ years of IT Industry Experience with Configuration Management, Build, Deploy and Release Management
* Expertise with UNIX, Windows and iOS environments including **Shell, PowerShell** and **Subversion, GIT, TFS. ClearCase, Accurev, Perforce and Bitbucket**
* Good understanding of the principles and best practices of Software Configuration Management **(SCM)** in **Agile, Scrum** and **Waterfall methodologies**
* Hands on experience in Installing and Administrating CI tools like **Jenkins**
* Gathered requirements and prepared requirement documents and technical design documents to meet the business rules
* Worked with different Bug tracking tools like **JIRA, Salesforce, Sysaid, ClearQuest, Bugzilla**
* Experience on Hudson/Jenkins for continuous integration (CI-CD) and for the end to end automation for all the builds, deployments on **DEV, QA, UAT and PROD**
* Setting up continuous integration and formal builds using **Artifactory repository**
* Installed and administered Artifactory repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build
* Atlassian tools and SVN/Bitbucket, JIRA hosting on-demand, Installations, Administration, Atlassian tools upgrades, migrations to JIRA, integrations, support, health checks and JIRA configurations
* Strong knowledge on Source Controller concepts like Branches, Trunks, Merges and Tags
* Worked with Engineer, QA and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while deploying the deployment and building
* Hands-on experience with configuration and automation tools such as **Chef** and **Ansible**
* Knowledge in devops essential tools like **Docker and Kubernetes.**
* Worked on **AWS Code deploy**, **AWS lambda, AWS RDS**
* Hands-on experience in **vCenter and OpenStack** platform

**TECHNICAL SKILLS**

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| --- | --- |
| Operating System | Linux, Windows and iOS |
| Scripting | PowerShell, Python, Shell, Perl, Bash |
| Build Tools | Maven, ANT, Hudson-Jenkins, Artifactory, Chef, Ansible, XCode, Nexus |
| Databases | MS-Access, MYSQL 5.0, Oracle 9i/10g/11g |
| Version Control | Bitbucket, ClearCase, Accurev, GIT, CVS, SVN, Team Foundation Server (TFS), Perforce, Coverity |
| Technology | Build and Release Management, Azure, Amazon Web Services (AWS), Confluence, VMware, vCenter, Openstack, Docker, Kubernetes |
| SDLC & Testing | Agile, Scrum Process, Bugzilla, TeamTrack, Remedy, Jira and Salesforce |

**EDUCATION**
 Master of Science in Information Technology - University of Madras

**CERTIFICATION**

 Certified Scrum Master (CSM)

 Certified ITIL V3 foundation

 IBM Rational ClearCase UNIX

 AccuRev Certified Engineer

**PROFESSIONAL EXPERIENCE**

**Aspect Software Inc., Westford, MA 2019 - Present**

**Release Engineer -Cloud Infrastructure & DevOps**

 **Responsibilities**

* Setting up Continuous Integration Environment using Jenkins and Bitbucket
* Worked on building and deploying JAVA, .NET through Jenkins
* Upgraded the Nexus and NexusIQ server.
* Upgraded the Jenkins LTS to the Docker Swarm
* Work as a JIRA Admin for creating the Jira Stories and customize workflow for the developers and QA's
* Scheduled automated nightly builds using Bitbucket and Maintained Continuous integration effort with Perforce along with scheduled builds
* Involved in multiple projects with updating, configuring, and moving Atlassian software such as JIRA and Confluence
* Worked in Scrum and Kanban agile methodologies using in JIRA
* Bash/Shell and PowerShell scripting in windows environments
* Manage availability, latency and scalability of the CI/CD process
* Continually work towards making improvements in the release process
* Experience with Atlassian software development and management tools
* Strong troubleshooting, debugging, and analytical skills.
* Work with development teams to manage and improve the software release process along with supporting iOS, Android, Windows and Java development teams and associated QA platforms
* Schedule jobs using POLL SCM option and integrated to automate the code checkout process.
* Worked on **Docker Swarm** and created virtual instances with Docker
* Worked with **Chef** for configuration management
* Scheduled, deployed and managed container replicas onto a node cluster using **Docker Swarm**
* Deployment and management through **AWS cloud** formation on EC2 instances and maintaining amazon S3 storage.
* Configuring Jenkins as a common build engine to build and promote applications to **DEV, QA, UAT, PROD** Windows environments

**DNASTAR Inc., Madison, WI 2018 - 2019**

**DevOps/Build and Release Engineer**

**Responsibilities**

* Installed and Configured Jenkins for Continuous Integration Linux (Ubuntu 18.04), Windows and iOS
* Setting up Continuous Integration Environment using Jenkins and Perforce
* Providing 24/7 support in troubleshooting problems for deployment support
* Worked in Scrum and Kanban agile methodologies using JIRA and liquid planner
* Bash/Shell scripting in Linux environments
* Manage availability, latency and scalability of the CI/CD process
* Continually work towards making improvements in the release process
* Work with development teams to manage and improve the software release process along with supporting iOS, Android, Windows and Java development teams and associated QA platforms
* Have working experience in CMake, Maven, Gradle build tools, and XCode
* Worked on **Docker** and created virtual instances with Docker.
* Worked with **Ansible /Chef** for configuration management
* Scheduled, deployed and managed container replicas onto a node cluster using **Docker** and **Kubernetes.**
* Deployment and management through **AWS cloud** formation on EC2 instances and maintaining amazon S3 storage.
* Configuring Jenkins as a common build engine to build and promote applications to **DEV, QA, UAT, PROD** Windows environments

**Mitchell International Inc., San Diego, CA 2015 – 2018**

**DevOps/Software Configuration Engineer II**

**Responsibilities**

* Developed and implemented Software Release Management Strategies for various Applications according to the Agile Process.
* Installed and Configured Jenkins for Continuous Integration
* Configuring Jenkins as a common build engine to build and promote applications to **DEV, QA, UAT, PROD** Windows environments
* Participated in weekly release meetings with Technology Stakeholders to identify and mitigate potential risks associated with the releases
* Worked on building and deploying **JAVA** and **.NET** code through Jenkins and Chef.
* Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS
* Work as a JIRA Admin for creating the Jira Stories and assign them to the developers and QA's.
* Assist with maintaining current build systems, developed build scripts, and maintained the source control system
* Deploy applications (**EAR & WAR**) to Tomcat/WebSphere Application Servers and maintained applications.
* Providing 24/7 support in troubleshooting problems for deployment support
* Worked with **Ansible /Chef** for configuration management
* Developed Chef recipes to configure, deploy and maintain software components of the existing infrastructure
* Worked closely with the development and operations organizations to implement the necessary tools and process to support the automation of builds, deployments, testing and infrastructure (infrastructure as code) using Chef and Ansible
* Worked in setting up Chef Infrastructure, Chef-repo and Boot strapping chef nodes.
* Used **Jenkins, Chef, PowerShell** scripts to automate the code deployment & automation of continuous integration infrastructure.
* Configured plugins for the integration tools to the version control tools.
* Deployment and management through **AWS cloud** formation on EC2 instances and also maintaining amazon S3 storage.
* Managed project deployments and rollouts using agile and waterfall methodologies.
* Impressive Knowledge of Application Lifecycle Management, Change & Release Management and ITIL process
* Worked in Scrum and Kanban agile methodologies using **TFS Kanban, JIRA tool.**

**HCL America Inc. 2014 – 2015**

**Xerox Corporation, Wilsonville, OR**

**Senior DevOps Engineer**

**Responsibilities**

* Installed and Configured Jenkins for Continuous Integration
* Managing team members at onsite and offshore in CM, Build and automation team
* Involved in Setting up Continuous Integration Environment using Jenkins and Accurev
* Have used Confluence to create, share and discuss content and projects
* Familiar and experienced with Agile Scrum development
* Coordinated with the Offshore and Onshore teams for Production Releases
* Worked on the day to day Build and deployments in pre- prod and production environments
* Involved in setting up **JIRA** as defect tracking system and configured various workflows, customizations and plugins for the JIRA bug/issue tracker
* Used Jenkins for Automating Builds and Automating Deployments
* Developed and maintained **Perl/Shell scripts** for build and release tasks.
* Developed UNIX and Perl Scripts for the purpose of manual deployment of the code to the different environments and E-mail the team when the build is completed
* Shell scripting for building and deploying java application to target environments
* Create automated build procedures to ensure code is always ready for deployment

**HCL Technologies Ltd, Chennai, India 2011 – 2014**

**Build and Release Engineer**

**Responsibilities**

* Build, manage, and continuously improved the build infrastructure for global software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment tools.
* Created CM Plans, Test plans and Build Documentation while maintaining source code
* Designed and implemented Continuous Integration process using tools like Hudson with approval from development and other affected teams. Defined processes to build and deliver software baselines for internal as well as external customers
* Scheduled automated nightly builds using AccuRev and Maintained Continuous integration effort with AccuRev along with scheduled builds
* Automated the entire build and deployment process using Jenkins and Hudson for Continuous Integration, and documented the process
* Involved in Product Support 24/5 troubleshooting all ClearCase, UCM and Build related issues

**Alphion Communications Pvt Ltd 2007 – 2011**

**System Administrator**

**Responsibilities**

* Installing ClearCase on Vob and View Servers from the Release Area
* Creating new Vobs for different projects
* Moving vobs/views to different servers
* Changing the VOB & element’s protections
* Creating Metadata types for Development activities (Label, Branch types)

**AccessUs Technologies, Chennai, India 2004 – 2007**

**ClearCase Administrator**

**Responsibilities**

* Administrated ClearCase Version Control used in development and QA organizations and end user support for ClearCase users running on Windows, Linux.
* Administrated ClearCase Multisite. Monitoring shipping Incoming and Outgoing activities and making modifications to both replicas