## Perumal.M

**Release & Configuration Engineer (DevOps)**

**Mobile No: +91 9791970484 : Perumal9791@gmail.com**

## Profile:

* Having a total experience of 11.9 years, 9 Months in Hardware and Networking support, 11 years in Application Packaging, Build & Release engineer (DevOps).
* Strong technical and analytical skills in MSI Technology, InstallShield and DevOps Tools Jenkins, Bitbucket, Git.
* Good knowledge in troubleshooting problems related to Windows server & Client and Linux operating Systems.
* Knowledge in Software Development Life Cycle (SDLC).

## Technical Skills:

1. **Operating Systems:**

Windows Client & Server Editions, Linux (Cent OS, RHEL, openSUSE, Ubuntu), FreeBSD

1. **Certifications:**

* Continuous Delivery & DevOps – Coursera, Certification ID: RDBPHVP9KYD8
* Hands-on Introduction to Linux Commands and Shell Scripting – Coursera, Certification ID: V892BY5GBYAJ
* Introduction to Git and GitHub – Coursera Certification ID: 8CEHWQ9M73XT

1. **Tools :**

Bitbucket, TFS, GIT, ClearCase, ClearQuest, Helix, InstallShield, Jira, Jenkins, Crowd, VCenter vSphere Client, Salesforce, SharePoint, Confluence.

* Bitbucket
* Source code management, User access rights
* Creating New Projects & Branches
* Integrating with Jenkins & Jira
* Team Foundation Server (TFS), Microsoft Visual Studio 2008 to 2015.
* TFS Activities, Creating New projects, Branching, Merging, Labelling.
* Source code management, User access rights
* Managing multiple projects
* Creating build definition (Automate Build)
* GITHUB, GIT
* GITHUB Activities, Creating New projects, Branching, Merging.
* Source code management, User access rights
* Managing multiple projects
* Creating build definition (Automate Build by Jenkins and MSBUILD)
* ClearCase
* GITHUB Activities, Creating New projects, Branching, Merging.
* Source code management, User access rights
* Managing multiple projects
* Creating build definition (Automate Build by Jenkins and MSBUILD)
* Install shield version 2012 to 2016 (Basic MSI Project, Install Script MSI Project),
* Depth knowledge in MSI Tables
* Creating merge modules
* Custom action creation
* Parameters passing to the installer (reinstall mode)
* Silent installation
* Automate build
* Creating services
* Patch creation
* Quick Patch
* VMware Console,
* Creating New VM Machines
* Taking Snapshots for new configuration and maintain backup
* Replication of SAN Backup purpose
* EMCO remote installer, PSEXEC Remote installation Tool.
* Testing MSI package for the remote installation in Silent Mode
* Jenkins (Continuous integration Tool).
* Automate Build
* Free Style Project and Multi project pipeline project
* Multiple projects - Integrated with Stash, GIT, ClearCase MSBUILD, Make file, InstallShield, ClearQuest, Jira.
* Creating ISO and Deploying into Clusters by Jenkins using Shell & python scripts.
* Jira - Release Notes Activity + Tasks
* Salesforce - Release Notes Activity
* SharePoint – Capturing release and patch details
* Confluence – Capturing all the training material & information related to product.

1. **Scripting Language:**

* Install Shield Script,
* Dos Commands, (Basic)
* PowerShell scripts, (Basic)
* batch scripts, (Basic)
* Shell Script, (Basic)

## Experience Summary:

# *Current* Company Capgemini Technology Services India Limited, Bangalore

1. **Role**: DEVOPS Engineer.
2. **Duration**: 4.5 years. (From Oct 2018 to till date)

**Responsibilities**:

Current Project: DellEmc - Storage project.

Product: 1

Tools: Jenkins, ClearCase, ClearQuest, Artifactory, Jira, SharePoint

1. Managing C++ source Code using ClearCase (Source code management tool).

* ClearCase Activities, Creating New projects, Branching, Merging, Labelling.
* Source code management, User access rights

1. Compiling the source code and generating ISO image using Jenkins as per CICD method.

* Using Make File to compile source code

1. BVT test configuration and it will ran by Jenkins.

* BVT Test will be running against to the clusters, Clusters details will be configured in the BVT Jenkins Jobs

1. Managing build related all environments using VMware console.

* Build machines, BVT clusters, Jenkins host, ClearCase Host (Vob server, registry server, license server)

Product 2:

Tools: Bitbucket, Jenkins, Crowd, Jira, Helix, Jfrog Artifactory, InstallShield

1. Managing Source code using Bitbucket (Stash)
2. Jenkins Integrated with Bitbucket, Artifactory (2 Jenkins instances, Integrated Jenkins jobs between them)
3. Compiling the source code using make and MS build
4. Multiple Jenkins job will get executed parallelly on different build machines.
5. Managing DevOps environment and build machines using VCenter vSphere client.
6. Migrating Project from Electric commander tool to Jenkins.

Previous Project: HP - Data Protector project.

Duration: 4 months

Tools: InstallShield, GIT, Electric Commander

1. Creating InstallShield ISM setup to create a MSI for new agents and the new agent will be integrated with main MSI as a feature. It will be deployed into respective location based on the user selection.
2. Installers name: Cell Manger, Reporting server

## Previous Company: ShipNet Software Solutions India Pvt Ltd, Chennai

1. **Role**: Release and Configuration Engineer.
2. **Duration**: 3.5 years. (From Oct 2014 to Sep30 2018 )

**Responsibilities**:

1. ***Creating MSI Package***

* Upgrading the software release as a **Major Release, Minor Release, Patch Release**
* Checking pre-requisites using install script and merge modules.
* Integrating Third party software support along with the package.
* Managing the installation and integration of software modules with the existing applications.
* Adding Silent Installation support
* Customizing the Software based on the customer requirement.

1. ***TFS Administration.***

* TFS Activities, Creating New projects, Branching, Merging, Labelling.
* Source code management, User access rights

1. ***GITHUB Administration***

* Creating New projects, Branching, Merging.
* Source code management, User access rights.

1. ***Jenkins JOB***

* Jenkins will pull the code from GITHUB & TFS
* Jenkins will compile the project using MS build in their respective build order considering dependencies
* Jenkins Will move all the binaries to respective Source locations
* Jenkins will trigger Installshield which will build the files as a MSI package.
* MSI Package will be moved into a shared location , and automated mail will be sent to the respective teams

1. ***Creating DEV/QA/PMG Environment server***

* Installing build (MSI Package) into DEV server for Sanity
* Installing build (MSI Package) into QA server for Smoke & Sanity test
* Installing build (MSI Package) into PMG server for PMG sanity and approval

1. ***Uploading the software to FTP to share the customer.***
2. Managing VMware servers and using it for multiple scenarios of installation testing.
3. Managing backup of Customer Specific Software.
4. Installation training for Customer Support Team.

**Major Projects**

**Project: ShipNetServer V12.7, V12.8, 2018 R1, 2018 R2….**

**Duration:** 3.6 Years

**Responsibilities**:

* 1. Jenkins will pull the code form GIT automatically, once the check in is done by the developer.
  2. Code will be compiled using MS build followed by Jenkins
  3. List of binary files will be moved into source location from release folder and we will build the .Dll, .Exe, Ini and xml files as MSI package using Installshield.
  4. Building the Software as a Major, Minor releases
  5. Supporting Clients to manage installation.
  6. Troubleshooting the problems related to Installer Package – Working with Windows
  7. Registry, Windows System files and DOS prompt.
  8. Online support for Customers.
  9. TFS and GIT Activities

## Previous Company: Qmax Test Equipment’s Pvt Ltd, Chennai.

1. **Role**: Software Installation Engineer (Application Packaging).

**Duration**: 3.2 years. (From Feb 2011 to October 2014)

**Responsibilities**:

1. Pre-Installation checks.
2. Managing the installation and integration of software modules with the existing applications.
3. Creating Transform Projects to customize the existing MSIs.
4. Creating Silent Installation
5. Customizing the Software based on the customer requirement.
6. Building the software as a package developed to integrate with the PCBA testing equipment’s.
7. Building ATE specific software.
8. Managing online update of the software.
9. Managing Source Code periodic backup from VSS.
10. Managing Virtual Installation using VMware.
11. Managing backup of Customer Specific Software.
12. Installation training for Customer Support Team.
13. Integrating Third party software support along with the package.
14. Updating the software over FTP.

**Major Projects**

**Project 1: TestDirector II.** Duration - 3 Months

**Responsibilities**:

1. Building Software as a package.

2. Supporting Clients to manage installation.

3. Troubleshooting the problems related to Test Director II – Working with Windows

Registry, Windows System files and DOS prompt.

4. Online support for Customers.

**Project 2: TestDirector 6.** Duration -2 years 4 Months

**Responsibilities**:

1. Building Software with the files (\*.dll, \*.exe, \*.ini, \*.xml) from the developers.

2. Creating Auto Run Browser for easy installing.

3. Responsible for supporting the clients to Install and Configure the Test Director software

4. Also responsible for troubleshooting problems related with Windows that occurs while installing and configuring the Test Director 6 software like working with Windows Registry, Windows System files and DOS prompt.

5. Online support for Installation related issues.

6. Updating the new versions of files online.

7. Updating the files over FTP

**Previous Company:** **Frontline InfoTech**, Chennai.

**Responsibilities**: Handling troubleshooting problems related with desktop computers, both hardware and networking

**Duration**: 9 months. (From April 2010 to Jan 2011)

**Education:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Program** | **Institution** | **Board/ University** | **Year of passing** | **(%/CGPA) Secured** |
| **Bachelor of Computer science**  **(BSC)** | Arulmigu Pannirupidi Ayyan College of Arts & Science, Nanguneri..manonmaniam sundaranar university | Manonmanium Sundharanar University | 2010 | 60.04 |
| **XII** | Sankar Reddiar Govt Higher Secondary School, Nanguneri. | State Board | 2006 | 79 |
| **X** | Sankar Reddiar Govt Higher Secondary School, Nanguneri. | State Board | 2004 | 65.8 |

**Declaration**

I solemnly declare that the statements made by me in this form are correct to the best of my knowledge and belief.  
  
Date:

Place: Perumal M