# LAMBERT PANDIAN

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Hyderabad – 500072.

Objective:

Looking for a position in the filed of configuration management, eight plus years specialized experience in build release management and application package technology will definitely meet the organization need.

Work Summery:

* Nov 2005 – Nov 2006, as a consultant with Invensys Configuration Management team, Hyderabad.
* Nov 2006 – Aug 2009, as Configuration Management Engineer -1 with Invensys Development Centre, Hyderabad
* Aug 2009 – Jul 2011, as Configuration Management Engineer-2 with Cognizant\*, Hyderabad.

(\*Cognizant acquired Invensys, as part of acquisition moved to Cognizant)

* Aug 2011 – till date, as Lead Engineer with UTC Climate Control & Security, Hyderabad.([www.utc.com](http://www.utc.com))

Role and Responsibility:

* + - * **Build Engineer**:
* Responsible to create & manage releases
* Baselines
* Create Distributed Change Management
* Master Integration builds
* Continues Builds using Cruise Control tool
* Report the deviations to the stakeholders and take corrective actions to resolve the build error.
* **Install Engineer**:
  + - Responsible for new Installer creation
    - Generate periodic installs after every build
    - Address install Change Request
    - Doing smoke test after every Build and Install.
    - Patch and Hotfix development.

Awards and Achievement:

* Own UTC “Applause” award for exceeding performance on the LNVR project
* Own Cognizant “Rain Maker” award for a speedy work on China Nuclear Project
* Own Invensys short term appreciation award for the Quarter Jan- March2008
* Spot award for cleared the deadlock in the builds within a week
* Created and maintained many complex Builds and Installs.
* Converted InstallScript projects to Basic MSI to compliant with MS Logo verification.
* Introduced & implemented Continuous builds using cruise control tool.
* Introduced new technologies Wix & WixSharp to the install development.
* 10 custom ICE programs are developed using C#.NET.
* Completed ACE Association level at UTC

Technical Skills:

* **Packing & Deployment tools** : InstallShield (2013), Orca, WIX3.5, WixSharp

* **Package Technology** : InstallScript MSI, Basic MSI, DTF
* **Configuration Management** : Rational CMSynery 7.0 & Rational Change, Perforce
* **Build Tools** :CruiseControl, TeamCity, and MSBuild.
* **Scripts** : InstallShield Script, VBScript, windows Batch Script, AutoIT
* **Operating Systems** : Win7/Win8/2008/2012 Server
* **Language** : C, C++, C#
* **Virtualization Tools** : Oracle VirtualBox
* **SDLC** :Agile-SCRUM, Rally
* **Code Review Tools** : Review Board, Code Collaborator

Project Details:

**UTC Projects:** **Duration July 2011 to Present**

Doing Build and Installer for Lenel Products from Hyderabad Site. Lenel is an UTC company located at

Rochester-US.

**Tools Used**:

* InstallShiled 2013 Spring
* MSBuild
* Visual Studio 2010
* Rally
* Initiated build and install from Hyderabad-UTC site. Visited Lenel, Rochester-US site for Knowledge transfer. Quickly understood the existing processes. Also, added process improvement and automated processes to the existing Build and Install systems.
* As Agile, doing daily standup meeting with US-team. Uses Rally tool to update the daily status. As this a new development project to Hyderabad team, help the developers to setup the Code base. Also, help the QA team for Installation and various configurations of the applications.
* Improved the GUI of OnGuard Installer, Many third party installers made into silent. Also improved the Deferred Custom Action Messaging. All command prompts are made into silent.
* TeamCity implementation is done for OnGuard Nightly Builds. Which improves the speed, log visibility and stability of the build
* Nightly Build and new Installer are designed and implemented for the product call PRISM. Driven the team of three for this activities.
* Process improvement tool called QCPC is implemented.
* Doing Add-On for OnGuard. Add-On is a plug in, which makes the OnGuard projects to support third party hardware devices. This Add-On process creation includes a build and installer creation. The installer logic differs from project to project.

**Invensys Projects:** **Duration Nov 2005 to July 2011**

Build and Install are developed for multiple versions of Invensys projects. They are

Dynsim, FSIM, TriSim, Connoisseur, RTU Security Configurator and InfusionSim.

* InstallShiled 2008, 2009, & 2010
* CMSynergy 7.1
* Batch script
* Visual Studio 6 to 2008
* Cruise Control 2.8.3.

**Install:**

* Install projects are developed using InstallShield 2008-2010. BasicMSI, InstallScript MSI, MergeModule, QuickPatch Projects types are used. Installer Custom actions are written using InstallScript. The installer development requirements are collected from InstallSpec and make changes as per the spec.
* The install projects development included the initial development, upgrades, and patches to the exiting deployment.
* The installers are developed to support multiple OS like XP, Vista, and Win 7. They also can support 64 bit. Multiple tests on different OS are done to identify the issues.
* Merger Modules are used for the common components. A common component SeTK was identified from Dynsim, FSIM & TriSim, and which was made as mergemodule.
* InstallShield Developer 8 version projects were migrated to InstallShield 2008, and later they were migrated to version 2010.
* BAT script is used to automate the install creation. The script can pick the files from latest build and create the Staging Area, Install.
* Smoke test is done after every install creation. The bugs are reported and work closely with QA and Development team to resolve the issues.

**WIX Implementation:**

As per the process improvement found WIX is better solution for Install Development. WIX is another tool for Install creation.

**Tools Used:**

* WIX 3.5, 3.6 & WIXSharp
* C# 3.0, .NET 3.5 & Visual Studio 2008
* WIX –DTF, LINQ
* The Installer source code is written in C# .NET using Visual Studio 2008. The C# source code is organized by managed interface called WIXSharp. This allows to generate the WIX document then it compiles into an MSI.
* InstallShield Script Custom Actions are converted to C# code. This is developed using WIX-DTF class libraries.
* 10 Custom ICE programs are created. These ICEs can evaluate consistency of an MSI; it can test file versioning, Custom Actions Exit code, Third party Merge Modules, Vital File existence, Shared Flag on Non Binary files, Duplicate Files existence, Missing Custom Actions Sequence on Install Execute Sequence, and UI alignments.

**Build:**

* The Build process starts from the new project creation in CMSynergy, setting the purpose like Insulated, Master Integration. And setting the Releases, setting Distributed Change Managements on multiple sites like Hyderabad, Lake Forest, and Huston. The build process also includes the BasleLine creation, and Branch creation.
* BAT script is used to automate the build process. The script uses the CMSynergy commands and Visual Studio commands.
* Clear communication is maintained with Development team about Builds. E-mails are automated and included in the build process, which informs about the tasks inclusion. Also clear guidance is given about branch, baseline and versions to checkout & checkin.
* Successfully migrated the compilers Intel Visual FORTRAN from 9-10, Visual Studio VC6-7 – For this a special intermediate branch was created and let the development team to work on. After completing the builds and tests the special branch tasks were propagate to the Dev branch.
* The continuous build was introduced to avoid conflicts during build failure. The Cruise control tool is used for continuous build. Create continuous process in CMSynergy and enable, configure CMSynergy tool integration with Cruise Control.

**In-House Projects:**

* Automated Install Smoke test using AutoIT.
* Created Build Dashboard using ASP.NET.

Training and Courses Participated:

* Telelogic CMSynergy Admin training from Telelogic.
* Solaris Adim training from WILSHIRE Technology.
* Red Hat Linux Admin training.
* Win API using C, C++.
* C# training.
* ASP.NET training from NITT.

Education:

Bachelor of Engineering in Computer Science & Engg from A.M.M. Engg college, Bharathidasan University, Trichy.(1999-2003).

Personal Profile:

**Name** : Lambert Pandian

**Date of Birth**  :20 November 1981

**Father’s name**  :P Jones

**Marital Status**  :Married

**Languages Known**  :Tamil, English

**Nationality**  :Indian

**Passport No**  :GO158516 Date-Of-Expiry 15/11/2016

Declaration:

I hereby declare that the information given above is true to the best of my knowledge. I will make it my earnest endeavor to discharge competently and carefully the duties you may be pleased to entrust me.

(Lambert Pandian)