**Vinod Patil**

**Profile:**

Involvement in the IT industry for 3 years, experienced in embedded system development and system testing. Involved in system development, analysis and testing of Set-Top- Box(STB), IPTV, Mobile (ANDROID and iOS) based applications and web based application.

I have experience in development of embedded system and testing applications, media, mobile applications, set top box based applications and web based applications.

During my tenure in IT industry, I consistently delivered quality results on time. I also had exposure to understand customer requirement specifications, software requirement specifications, application design documents and identify system requirements based on them. Expertise in creating test plans, writing/running test scripts to pinpoint software defects and following defect life cycle.

I am flexible and versatile to adapt to any new environment and work accordingly.

**Key Technical Skills:**

* Good understanding and working experience with C, OS programming - threads, Socket Programming, basic MAKE file, Valgrind - memory leak check tool.
* Good working experience on mobile application testing both IOS and ANDROID.
* Automation of STB features using genie.
* Have knowledge of Unix commands and systems.
* Design, develop, deploy, support and maintenance of small and large applications.
* Working experience with good AGILE software development methodology.
* Proficient with the processes of software development life cycle (SDLC).
* Proficient with both Agile and water fall models.
* Proficient with the defect life cycle.
* Understanding the customer requirement specifications, software requirement specifications, and application design documents and identifying the test scenarios based on them.
* Technical expertise in the defining, creating and writing test plans.
* Technical expertise in execution of test cases.

**Operating Systems:**

* Android, iOS, Ubuntu, Windows, MAC.

**Tools Used:**

* UBUNTU - Development and Debug environment
* HP Quality Center
* Rally
* Bug Zilla

**Major Achievements**

* At Vayavya Labs played a vital role in winning mobile application Testing contract.
* Proactively fixed around 40 UI bugs(Web-app) for Texas-Instruments IP - Network Camera.
* Identified the memory leak in TI-IPNC project and 60% of memory leaks were closed by me.
* Responsible for increasing the team size from 3 to 10.
* Key person to complete DLNA certification of TP Vision IPTV.
* As a feature owner of QA team for Video-On-Demand(VOD) and catch-up TV applications made sure zero production defects.
* As an internal Lead from Vayavya Labs at CISCO, maintained 2%< duplicates of bugs from the team with 0% bug rejection rate.
* Implemented an "Online Exam pattern" proactively and is still/currently used for taking exams online during recruitment process at Vayavya Labs. This, replaced written exam system.

**Courses & Certifications:**

* Embedded Software Development certification from Sandeepani – Core-El Technologies, Bangalore.

**Educational Qualification:**

* Bachelor of Engineering (Electronics & Communication)

**Employment History:**

**Company:** Vayavya Labs for 3 Years

**Outsourced to:**

**Company 1:** Cisco

**Company 2:** TP-Vision

**Project Details:**

**Project 1:** Media sub-system testing and DLNA media certification for TP-Vision ANDROID TV

**Role:** Media Sub-system tester(USB,DLNA and Net TV) and DLNA certification tool user.

**Company:** TP-Vision on payroll from Vayavya Labs.

**Tenure:** Feb-2015 to June-2015.

**Assignment Description:** TP Vision is a visual digital entertainment company, committed to renowned Philips TV brand. TP Vision IPTV was nearing production phase and there was a need for swift stability in the media domain due to lots of bugs getting reported and specialisation in managing DLNA automated certification tool for DLNA certification.

**Responsibilities:**

* Testing of USB playback of different video, audio and image formats.
* Testing of DLNA remote playback of different video, audio and image formats through Philips Media Server and Golden DMS.
* Testing of Net TV playback of different video, audio and image formats.
* Generation of DLNA certification which is accomplished from automated Conformance Test Tool(CTT) and Media Capabilities Verification Tool(MCVT).
* Generation of test summary reports.

**Achievements:**

* Test report generated locally for DLNA automated tool (CTT & MCVT) matched with DLNA certification team.

**Project 2:** VIASAT STB – STB feature automation through Genie – csv’s.

**Role:** Automation of STB features using Genie CSV scripting.

**Company:** Cisco Video Technologies on payroll from Vayavya Labs.

**Tenure:** July 2014 to January 2015

**Team Size:** 8

**Responsibilities:**

* Automation of STB features through csv’s.
* Analyse DUIF code written in C-language and help java team to understand and implement API's.
* Developing API's.
* Performing unit testing and providing system testing support.

**Project 3:** Tata Sky mobile application

**Role:** QA of the applications across Android and iOS devices.

**Company:** Cisco Video Technologies on payroll from Vayavya Labs.

**Tenure:** August 2013 to July 2014

**Assignment Description:** TATASKY mobile application was developed with a concept implementation of TV on mobile or TV in the pockets. Intention was to provide STB features on iOS and ANDROID devices.

**Responsibilities**:

* Understanding the customer requirement specifications, software requirement specifications, application design documents and identifying the test scenarios based on them.
* Defining, creating and writing test plans.
* Execution of test cases.
* Test case reviews, progression testing and regression testing.
* Responsible for prioritizing and tracking of bugs.
* Responsible for reducing the duplication/rejection of bugs.

**Achievements:**

* Implemented process for High readability test Scenarios and easy reproducibility of bugs.
* Zero production bugs.
* As an internal Lead from Vayavya Labs at CISCO, maintained 2%< duplicates of bugs from the team with 0% bug rejection rate.

**Project 4:** Web app for Texas Instruments - IP Network Camera streaming and control for multiple browsers.

**Role:** Software Development/Testing and bug fixing.

**Company:** Vayavya Labs.

**Tenure:** Dec 2012 to July 2013

**Assignment Description:** The product of TI-IPNC was available for IE-7. Support was required for higher versions of IE, Mozilla Firefox, Safari and chrome browser in windows and Linux based systems. The open source UPnP and VLC code was integrated and modified to meet the requirements.

**Responsibilities:**

* Analyse, debug and develop application.
* Fixing of web-app issues and provide maintenance support.
* Quality assurance of the product.

**Achievements:**

* Proactively fixed around 40 UI bugs(Web-app) for Texas-Instruments IP - Network Camera.
* Identified the memory leakage in TI-IPNC project and fixed 60% of memory leaks.

**Project 5:** Online exam pattern implementation for internal purpose of taking written exam during recruitment process at Vayavya Labs.

**Role:** Software Development/Testing and bug fixing.

**Company:** Vayavya Labs.

**Tenure:** Oct 2012 to Dec 2012

**Assignment Description & Responsibilities:** Vayavya Labs recruitment process had multiple choice written test. Immediately after the completion of Training, got the idea to create web based Online exam application. I utilised this opportunity to test the skills that I gained during my training. I implemented this application on the concepts of C, basic Make file and Socket programming..

**Achievements:**

* Implemented an "Online Exam pattern" proactively and is still/currently used for taking exams online during recruitment process at Vayavya Labs.