**RAJESH MAHADEVAN**

**Mobile: +91 98455 84845 Email: raj21.mahadev@gmail.com**

Accomplished Professional Contributing to Technology Teams both in Technical & Managerial levels, ensuring products meet defined quality levels & timely release, working closely with multiple development teams in a fast-paced environment.

**Core Competencies**

**Cross-functional leader with Technical & Managerial Expertise – 15 Years of Experience - B.E (E & C)**

* + Architected and Implemented Multiple Test Automation Frameworks
  + Lead Globally Distributed Test Teams, Managing Multiple Projects by putting in Agile Methodology practices.
  + Defined and Implemented Test Strategies & Managed Incremental Product Release Engineering Activities.
  + Focused - Hands-on Individual Contributor, Continuous Integration(Jenkins), Extensive Scripting in Python.
  + Manage Priorities-Driven Process Improvement Initiatives by communicating across Dev Managers & Directors
  + Expertise in Product Testing for integrated HW/SW Platforms in Windows, Linux & VMware environments.
  + Manage LAB, Product Test Infrastructure Requirements, Packaging, Documentation, QA & Release Deliverables
  + Responsible for Planning Test Effort, Create/Review Test Plans, Test Execution, Result Analysis and Reporting.

**Technology Background**

Programming Languages - **Python, Perl,** C, C#, Java, Shell Scripts, ANT, XML, VB, HTML, SQL, Expect, Auto-IT

Dev/Test Tools - Jenkins, Install-Shield, MS VS, .NET, Test Complete, Matlab, Visual DSP++, Selenium

Version Control/Tools - Perforce, SVN, CVS, JIRA, Bugzilla, MS VSS, Visio, MS Project, Rally, KT, Wiki, Share Point.

Processor - Blackfin, AMD (CPU/GPU), ARM

Operating Systems - Windows7/Windows8 (32/64bit), Linux - Ubuntu, Redhat, OpenSuse (32/64bit), VMware

**Professional Profile**

**Atmel R & D India Pvt Ltd as Manager, System Test Architect – April 2014 – present**

* Wireless Domain - Responsible for Product validation/automation of SDK’s (BitCloud) releases.

**AMD India Pvt Ltd, Bangalore as Technical Staff, June 2012 - March [ 2 years ]**

* Identified requirements, designed and implemented automation framework for integrated HW/SW products, thereby enabling testing of product features across large number of platforms for various products.
* Defined N/W Topology, setting-up DHCP server, PXE Imaging, automation of PC desktop/mobile platforms, developed test scripts, data collection & parsing logs for further analysis.
* Performed benchmark/Certification test and other test scenarios for performance measurement of products against competitor’s products, Report Generation, developed dashboard & charts for overall evaluation of product quality.
* Created Lab Setup and Test Network and also developed automated build and installer packaging system for various development teams effectively bringing up product quality with execution of wide range of tests & quick turnaround.
* Responsible for both Project and People management, setting up team and process, resource allocation, delegating the "right task” to the "right person", performance reviews, planning goals for the team effectively improving their skills for seamless project execution.
* Expertise in translating business processes into product development & test scenarios, resolve quality related issues across groups, escalating requirement/design issues & works with required teams at all levels to bring it to closure.
  + Created and Maintained Test Plans for Multiple SDK’s(APP SDK,MEDIA SDK), Responsible for complete validation of all SDK’s, Review test results and prepare reports after result data analysis.
  + Works closely with multiple development teams to effectively design test cases, test execution by exercising judgment within defined procedures, defining scope of testing within the context of product requirements

**Analog Devices Inc as Technical Lead, November 2003 – March 2012 [ 8+ years ]**

* Experience in testing Multimedia Embedded products in Windows/Linux environments, integrated HW/SW platforms with debugging interfaces, developed test framework and utilities for automation
* Ability to work as Individual Contributor contributing to technical & team management activities, hands-on scripting and also addressing documentation requirements & customer requests by coordinating the effort of different teams.
* Experience in gathering test requirements from PRD/User Stories, works closely with Dev team to ensure all feature test requirements are covered, create/maintain test plans, responsible of execution and result analysis.
* Recommended solutions to standardize process & leverage best engineering practices thereby managing Change Requests, Conflict Resolution, Defect Tracking & reporting product management with current program information.
* Travelled occasionally to other international sites as and when required and worked with multiple cross-functional teams, experience in overseas customer interactions and discussions with third parties
* Maintained the internal WIKI page of the product team to insure the visibility of the team activity, process and results, rigorous monitoring of document updates, also introduced process for deliverables to internal clients.
* Effectively managed build & incremental releases, keeping management informed of key issues in product quality & changes that may impact expected results, redefine approaches & program to meet strategic goals of significance.
  + Hands-On experience in developing scripts, identifying test data / test tools requirements, nightly builds, executing system wide tests to individual functional tests, Regression Suites, Subjective, Compatibility & Interoperability tests
* Architect of Central Automated Test System which enables testing of product & other dependent product releases by connecting to wide range of target platforms, automatic deployment of test bed, software package and other supporting modules to be released and runs with predefined data and generate reports.
* Tested various Multimedia Codecs (H264, Mpeg4, etc) with range of processors on various platforms with JTAG, USB interfaces, telemetry data analysis, test vector generation, AV sync, system stability, Standard Compliance testing, testing SDK’s, IDE’s, Advanced Driver Assistance Systems, Surveillance Systems, Video occupancy sensor,
* *Also involved in projects like Multimedia Device Interface* - Blackfin-548 based platform intended for mobile, car infotainment and other multimedia requirements. Framework communicates with target platform and supports playback of music of various formats from SD card, USB. *Video Platform*- GUI (.Net/C#) to configure & run target platforms, customizable based on defined XML parameters.
* Initiated regular Cross-Review of code & procedures, reprioritizing tasks, providing maximum transparency to team to improve efficiency, developing a great sense of ownership & responsibility in projects for each individual in team.
* Developed code for Image Tool box primitives with OpenCV to validate reference output with Image Tool box modules developed for Blackfin processor with OpenMax standard. Also developed tool, which inserts test code in product source code for exhaustive testing of features.
* Ensured Quality of deliverables, checklists review and signoffs, relevant communication & information flow to teams & stakeholders and coordination of technical support activities.

**GemTech Systems (I) Pvt Ltd as Senior System Engineer, Feb 2001 - Nov 2003 [ 2+ years ]**

* Responsible for Design, Development of ARM Co-processor model, testing and simulation with ARM model
* Played a major role in setting up engineering process, peer review co-ordination in Start-up Company

## Pristine Solutions as Software Engineer, Sep 1998 - Jan 2001 [ 2+ years ]

* Main responsibility is in development and testing of various client server application software.

**Education / Certifications / Activities**

* BE (Electronics & Communication) from Bangalore University in 1998 with First Class.
* Presented several demos and papers across ADI locally and internationally.

**Personal Details**

Residential Address: #22, 17th Cross, 4th Main, IndiraNagar 2nd Stage, Bangalore, Pin- 560 038, Karnataka, INDIA.

Date of Birth: 18th August 1975 Passport No: B1142512, (M) B1 US visa.