**PROFILE SUMMARY**

* Strong programming skills in C & C++.
* Strong knowledge on Data structure and Algorithm Design.
* Experienced in STL and multi-thread programming.
* Good understanding of OOAD, Software Architecture Design & Software Development Life Cycle.
* Knowledge of scripting languages: Perl, JavaScript & Shell Scripting.
* Good exposure to database design, MySql and Sqlite3.
* Hands on experience with the tools like GDB, Git, Perforce, Valgrind, Coverity and Meld.
* Exposure to iOS, Linux and windows.

**EMPLOYMENT**

**Software Engineer Architect Picsean Media Pvt. Ltd. India, Bangalore** Dec 2014 – Till date

**Lead Engineer Samsung R&D India, Bangalore** March 2012 – Dec 2014

**Graduate Intern Technical Intel India Pvt. Ltd. Bangalore** July 2010 – July 2011

**ACHIEVEMENTS**

***Professional:***

* **Presented innovative ideas, out of these two ideas are under paten filling process by Samsung R&D, Bangalore.**
* **Promoted to Lead Engineer from Sr. Software Engineer**, based on performance, by Samsung R&D Bangalore.
* Awarded with **best code reviewer** by Samsung R&D India, Bangalore.

***Academic:***

* Selected by **hp** for 40 days **training on .Net** at IIT-Kanpur in 2008.
* Won the **best designer awards** by IIT-Delhi and IIT-Kanpur in Robotics.
* Won the **1st prize** in Robotic at IIT-Guwahati.
* Won many **consolation prizes** from IIT-Roorkee, IIT-Kanpur and IIT-BHU in different Robotic events.

**TECHNICAL EXPERIENCE**

**Projects:**

**Publishing ++** (2015). This is an iOS based project. This app is able to digitalizing printed contents. Like magazine, newspapers and books. For reference: https://itunes.apple.com/in/app/publishing-++/id543126700?mt=8

**Environment & Tools:** iOS, Xcode, git and bitbucket.

**Language:** Objecitve C and HTML

**Supporting Script Language:** Java script.

**Responsibilities:**

* Architecture design and development.

**S Framework**(2014). Development of Smart Framework for Tizen OS based devices, like smart phones and tablets. This framework is design to give intelligence support just like Google Now. C, C++, Shell Script**,** Sqlite3, Tizen SDK.

**Environment & Tools:** Tizen framework, Eclipse IDE, Ubuntu12.04, Git, Gerrit, Meld, Valgrind and Coverity

**Language:** C & C++

**Supporting Script Language:** Shell script.

**Responsibilities:**

* Actively involved in Smart-Assistance framework's Architecture design.
* Developed Smart-Assistance framework's main module *Intelligence-Service.*
* Developed smart assistance cards, like: Callback-reminder, Power-saving-mode, Eye-rest reminder etc.
* Fixed the issues on both side, framework as well as application (smart-Cards)
* Actively involved in brain-storming session to innovate over smart-cards and figured out many smart-cards like: “tracking of unauthorized access to smart-phones”, “car location changed from parking location” etc. and improvement suggestions in exiting smart-cards.
* Wrote the unit-test-cases in support of exposed API's

**Multimedia Framework Development**(2013). Development of Tizen Multimedia Framework in support of multimedia features like Audio, Video and Camera. This porject is to add new innovative multimedia features in Tizen Framework so that app developers can develop Tizen Multimedia APPS easily and effectively. C++, ffmpeg, Tizen SDK.

**Environment & Tools:** Tizen framework & SDK, Eclipse IDE, Ubuntu-12.04, Git, Gerrit, Meld, GBS-Build system, ffmpeg, Valgrind and Coverity.

**Language:** C & C++

**Supporting Script Language:** Shell script.

**Responsibilities:**

* Actively participated in Architecture Design of developed feature
* Developed main modules, like: *audio-track*, *audio-decoder*, *audio-resampler* and *volume*
* Explored ffmpeg (Open Source Library), mainly for decoding and re-sampling of audio data buffer
* Used multi-threading in support of high performance
* Developed unit test cases and sample application in support of exposed framework APIs

**Web contents enrichment**(2012). To make web contents enrichment. HTML5, JavaScript

**Environment & Tools:** Windows7

**Language:** HTML5

**Supporting Script Language:** JavaScript

**3D Image Capture**(2012). To capture 3D image using mobile backside camera. C++, Tizen SDK.

**Environment & Tools:** Tizen SDK, Eclipse IDE, Ubuntu-12.04, Git, Gerrit, Meld, GBS-Build system, Valgrind and Coverity

**Language:** C++

**Distributed DB Access Tool**(2010-2011)**.** A tool for accessing distributed databases through a common unified GUI.

**Environment & Tools:** Unix and Git.

**Language and DB:** Perl, HTML, JavaScript, CGI Script and MySQL

**LANGUAGE AND TECHNOLOGIES**

* C, C++, Objective C, Core Java, Perl, JavaScript, ShellScript, Sqlite3, MySQL, HTML, XML, CSS.
* GDB, Git, Gerrit, Perforce, Valgrind, Coverity, Review-Board, Meld, Beyond Compare, Eclipse, Vim editor, Xcode, Tizen SDK and Android SDK.

**EDUCATION**

* M.Tech (CS) from Birla Institute of Technology, May 2011 with CGP: 8.0
* B.Tech (CSE) from UP Technical University, June 2009 with 65.24%