**CHARAN GODWIN DSOUZA**

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**Objective**

* Extensive experience in programming, Designing and Problem Solving.
* I have an instinctive drive to perform that yearns for challenge. This attitude has helped me thrive in competitive environments.
* Proven team leadership skills. Now looking to continue making a significant contribution within design and development / leading a technical team.
* My objective is to focus this drive to enable the organization to reach beyond those boundaries that defines the limits of technological growth.

**Experience Summary**

* Have **7 years** of IT experience.
* In depth knowledge of OOPS concepts.
* Experience in **Objective C, C/C++.**
* Good experience in **Standard Template Library (STL) and JUCE API.**
* Cross platform development. ( **WINDOWS, Macintosh OS and iOS** )

**Experience Areas**

1. Software Development:
   1. Making requirement specification document for a given module.
   2. Designing modules and interfaces to meet the requirement.
   3. Implementing the modules and testing the functionality with proper unit test plan.
2. Research Work:
   1. Exploring various tools / technologies.
   2. Design of Modules and analysis of dependencies.
   3. Preparing feature comparison document for those.
   4. Done POC to use unmanaged code in managed environment.

**Professional Experience**

* Currently working at **Mamigo Technology Solutions Pvt Ltd, Bangalore.** (Jan 2014 – Till Date)
* Worked at **Audience Communication India Limited, Bangalore.** (April 2013 – Dec 2013)
* Worked at **Rebaca Technologies Limited, Bangalore.** (Aug 2012 – March 2013)
* Worked at **Wipro Technologies Limited, Bangalore.** (Oct 2010 – Aug 2012)
* Worked at **Creative Genius Software India Pvt.** **Ltd** (Research and Development Centre for **Digital Juice Animations Pvt. Ltd**)**, Bangalore.** (Oct 2007 - Oct 2010).

**Education Profile**

Graduation: Bachelor of Engineering (2003-07)

Discipline: Computer Science

University: Visvesvaraya Technical University.

**Technical Expertise**

Languages : **Objective C, C, C++, WIN32 API**,

Database : sqlite3 and xml

Operating Systems : Windows XP and above, Mac 10.x and Above.

Tools and Frameworks : JUCE Library, STL, JSON Parser, Direct Sound, Core Audio.

Defects Tracking : Bugzilla.

Development Tools : Xcode 2.x and above, Microsoft Visual Studio .Net 2005 and above.

**Project Details**

**Mamigo Technology Solutions Pvt Ltd.**

**Momentz: Momentz** is an android application to live stream the user moments into the youtube or other streaming server. Where he can share the live moments with his friends on facebook, twitter and google.

**Duration**: 8 months

**Programming Languages and Tools**: Android SDK, Java, Eclipse

**Operating System:** Windows 7

**Roles and Responsibilities:**

* Feature enhancement like streaming to the server.
* Handling the lip sync and live streaming issues.
* Maintenance and bug fixing.
* Unit testing.

**Lynx: Lynx** is an iOS application to create a chain of video by inviting friends to contribute to the video. It allows user to publish the master video to facebook and save to local storage.

**Duration**: 2 months ( on going )

**Programming Languages and Tools**: iOS SDK, Objective - C, Xcode, QuickBlocks, Facebook SDK

**Operating System:** Mac os 10.9 , 10.10

**Roles and Responsibilities:**

* Creating the screens for design.
* Implementing the backend functionalities.
* Server side stitching the videos together.
* Maintenance and bug fixing.
* Unit testing.

**Audience Communication India Limited**.

**AuViD: AuViD** is a tool for configuring the Audience noise suppression chip. It has the capability to download the firmware to the chip and tune the device for the user needs.

**Duration**: 6 months

**Programming Languages and Tools**: JUCE, C/C++.

**Operating System:** Windows XP, Windows 7

**Roles and Responsibilities:**

* Feature enhancement.
* Maintenance and bug fixing.
* Unit testing.

**Rebaca Technology Limited, Bangalore**.

**ConferenceIn: ConferenceIn** is a video conference tool. Currently ConferenceIn is developed for Windows OS. This software need to be developed in Macintosh, iOS and Android platforms.

Currently I am developing the Android version of ConfereneIn application.

**Duration**: 6 months

**Programming Languages and Tools**: Android SDK,

**Operating System:** Android 4.1

**Roles and Responsibilities:**

* Handling the various modules like capture of audio and video, encoding the audio and video, decoding the audio and video, playback of the audio and video etc.
* Maintenance and bug fixing.
* Unit testing.

**Wipro Technology Limited, Bangalore**.

**Trace CRM: Trace Customer Relationship Manager** is a Wipro internal mobile application for sales team. The application is developed for windows as well as iPhone mobiles. The application allows salesperson to create travel request and approve travel appointments and syncing activities.

**Duration**: 8 months

**Programming Languages and Tools**: Objective C, JSON parser,

**Operating System:** Apple iOS

**Roles and Responsibilities:**

* Handling the various modules like Travel, Activity synch etc.
* Maintenance and bug fixing.
* Mentoring the fresher s.
* Unit testing & Code Review.

**Creative Genius Software India Pvt Ltd, Bangalore**. Research and Development Center for **Digital Juice Animation Pvt Ltd**.

**Development of Juicer 3.0:** Juicer 3.0 media management and conversion utility supports all current Digital Juice products, including all audio, animation and video products and Juice Drops layered Photoshop graphics. The Juicer 3 lets you browse, preview, search and sort the tens of thousands of clips that make up the Digital Juice media library and then copies and converts those files into formats that are compatible with your editing software. Updates to the software also include new transformations, including dynamic color effects that let you customize our media to match your creative projects and have new auto-update feature with which Juicer 3 can be updated to latest version.

**Duration**: 12 months

**Programming Languages and Tools**: JUCE , Objective C, C, C++, Win32 API, STL

**Operating System:** Windows and Macintosh OS.

**Roles and Responsibilities:**

* SRS Review and Unit test plan.
* Development of various features such Creating **Gradient Fill Effect** for Textures, **Audio Enhancements,** Fixing the bugs and maintenance of the **Juicer 3.0.**
* Unit testing & Code Review.

**MoviePoint 1.0:** MoviePoint is a strategy to branch Digital Juice Animation content to the corporate presentation market. Powered by strong Directx engine capabilities, MoviePoint is a plug-in extension for Microsoft PowerPoint that enhances PowerPoint by bringing in high quality broadcast animations to boring PowerPoint slides. The Directx engine provides seamless and uninterrupted playback of full screen animation content layered behind PowerPoint slides in real time.

**Duration**: 12 months

**Programming Languages and Tools**: Objective C, C, C++, Win32 API, STL

**Operating System:** Windows and Macintosh OS.

**Roles and Responsibilities:**

* SRS Review and Unit test plan.
* Development of various features such as Creating **UI and browser** for products to be used in the Moviepoint 1.0, **Designing and creating interface** between UI and Render engine, Fixing the bugs in Engine and maintenance.
* Unit testing & Code Review.

**Conductor LE 1.0: Conductor LE is** a Cross-platform standalone DAW. The application is mainly intended for current Digital Juice Audio products as well as general audio files like: wav, flac, ogg Audio files. Here in Conductor LE the Digital Juice is aiming to give high end DAW for professional use. The Conductor LE is intended to support multi track editing and mixing. The conversion of file formats, sample rate, bit depth, pitch shifting and audio stretching are the requirements.

**Duration**: 12 months

**Programming Languages and Tools**: JUCE, Objective C, C, C++, Win32 API, STL

**Operating System:** Windows and Macintosh OS.

**Roles and Responsibilities:**

* SRS Review and Unit test plan.
* The Engine design of Conductor LE and the UI Design.
* Conversion of one format to another audio format.
* Fadein and Fadeout for Audio Tracks. Cross fade between audio segments.
* Mixing the Audio Files.6
* Rendering the mixed audio files.
* Unit testing & Code Review

**Additional Roles and Responsibilities**: Involved in the architecture and design activities for various modules and products of Digital Juice. Team Mentor for Audio Team. Handled the entire project by my own. Hand holding the freshers.

**Personnel Profile**

Name : Charan Godwin D’Souza.

Date of Birth: 07th Dec 1985

Sex : Male

Nationality : Indian.

Languages known : English, Hindi, Kannada, Konkani

Passport No : J4620464

Passport Validity : 21th Dec 2020

**Declaration**

I assure that the particulars furnished above are true to the best of my knowledge and belief.

Date:

Place: Yours truly,