MURALI M   91-9902260874 | MURALI248641@GMAIL.COM

OBJECTIVE

15 years experience in embedded/STB field (Open source, BSP, middleware, Research & integration) and I want a highly rewarding career where I can use my skills and knowledge to help the company and my coworkers be successful.

EDUCATION

MCA (Master in Computer Application) | 2008 | Anna University | Percentage 78%
BSC MATHS | 2005 | BHARATHIDASAN UNIVERSITY | percentage 63%

SKILLS & ABILITIES

Programming Languages	C, C++, HTML,Javascript(JSON, REST, Nodejs)
Opensource	Webkit
Framework	Qt framework(Application develop using Qt)
OS	Ucos/Linux/Android
Delivery system	DVB-S & DVB-C
Standard used	TS 102 006, ISO/IEC 13818-1, EN 300 468, EN 300 472, EN 300 743 & W3C
Platform used	*ST, NXP, NEC,Mstar & Broadcom*
Toolset	ST40, MontaVista & Embedded Alley
Methodologies	Agile
Source Code Maintenance	SVN, ClearCase, GIT
Public Cloud and tools	AWS, K8S, Dockers, etc

EXPERIENCE

SENIOR LEAD SOFTWARE ENGINEER | SYNAMEDIA INDIA PVT. LTD | AUG 2012 – TILL DATE

Team   :   Videocon, Android, R&D, Browser, Astro, OTT

Role   :   OTT, MW DB mapping with Android DB, Porting webkit code(Qt port) with middleware for STB

MicroService creation for one-way STB in AWS cloud and other OTT solutions.

MediaCas and other feature related changes inside the middleware using the JNI.

Worked inside the TvInputService for filling DVB-SI information to provider tv.db in Android platform.

Starting the Middleware service inside the TvInputService application.

REST API development for SI information exposing to outside world.

Browser integrated with middleware and delivered to Videocon project.

Graphics, Media player & key event porting with STB for QtWebkit Browser.

Mouse, Keyboard, NPAPI plugin, JSPA, REST API & HTML5 AppCache development done in Browser.

Openssl library integration/upgrade.

Performance improvement in Browser for playing games in STB(set top box).

Thread pool development for handling server requests.

Integrating libCurl for https based video playback in middleware.

Bug solving in (cookies, video playback, graphics, useragent issue & etc) browser.

MSE environment creation in STB middleware.(frame injection from html application for playback).

Sample html5 application development for customer demo.

SOFTWARE ENGINEER | REBACA TECHNOLOGIES | APRIL 2011 – AUG 2012

Team   :   BSP

Role   :   HAL Development

Implemented HAL code for Graphics module with Blitter.

Implemented HAL code for new huawei remote controls having RC6 protocol

Involved in Teletext PES Parsing and Line insertion for VBI Teletext.

Modification in Subtitle Decoder.

Bug solving in Demux and IR BSPs.

Documention for each implementation and code maintenance without warnings.

SOFTWARE ENGINEER | SURESOFT SYSTEM PVT. LTD | JAN 2008 – MAR 2011

Team   :   Integration/Development

Role   :   Application/middleware development

Developed user interface using proprietary platform independent OSD engine (eGOS).

Integrated the DTG, SSU OAD, STB subtitle, Grid EPG, Favourite Service, Auto/Manual Tuning features.

Implemented EPG filtering mechanism according to TV, Radio, Data Service, Event Genre, CAM software

Downloading, Service lock and unlock, Software Upgrading functionality through USB Stick features.

Modification of Tuner, Subtitle and Parental Rating for Freeview certification.

Implemented Enhanced profile in OAD. UNT based oad downloading, Multipid and MultiGroup.

Implemented the Multibank functionality for Ziggco and Comhem certification.

Bug solving in Parental Rating, TDT, TOT, MultiAudio, SI/PSI for freeview certification & CI features.

PERSONAL PROFILE

Date of Birth   :   30-07-1985
Communication Proficiency   :   English, Tamil