

JB. THILIPKUMAR

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Seeking assignment in Research and Development with Embedded Applications where my skills are utilized in full extent with an organization of repute

Summary

Over 4 years of experience as a Hardware and Networking Engineer and nearly **two years** of hands on experience as an Embedded Professional with Bariuss Tech Solutions Pvt Ltd. Posses strong development , analysis and problem solving skills. Effective and self-motivated, creative and delivering on commitments within established timelines, having the courage to raise issues, and pro-actively work to resolve issues , remove barriers in a timely manner.

Key projects managed: Porting Embedded Linux on ARM9 , Implementing wireless communication by radio-frequency, Signature verification using HMM for random, simple and skilled forgeries

Key client handled: Bariuss Tech Solutions, Madurai.

Skills & Technical Exposure

- Programming Languages : C & Embedded C.
- Operating Systems : UNIX, Linux and Windows-9x , Windows XP/7.
- Linux Flavours : Mandriva, Ubuntu, Red Hat.
- Compilers / Editors : GCC, SDCC, PICC Lite, Vi Editor, gEdit..
- Programmers : PonyProg, PicKit-2, USB PicProg.
- Micro controllers / Micro processors:
 - o ATMEL : 89S8252;
 - o PIC : 16F917/16F887;
 - o ARM9 : ATRM9200;
- ADC and Comm., Protocols: UART, SPI, I2C.
- Experience in Porting Embedded Linux on Arm9 and have an ability to bring up any board.
- Experience in debugging Embedded Systems at Software and basic Hardware level.
- Basic Hardware concepts in Micro controller based system.
- Strong Hardware skills such as installing various software compatible to windows and Linux, maintenance and troubleshooting the microsoft windows, PC assembling

Professional Experience

- “ Embedded Software Engineer Cum Trainer ” at Bariuss Tech Solutions (P) Ltd. , Madurai [Master Franchisee of Emertxe Information Technologies, Bangalore] from Nov 2011 – Aug 2013
 - ✓ Developing embedded applications, also to train embedded aspirant engineers.
 - ✓ Responsible for developing embedded C code for wireless communication product.
 - ✓ Installing and maintenance of server and systems in educational labs of Bariuss

- **“ Hardware and Networking Engineer” at JP computers , Madurai from April 2004 – May 2008**
 - ✓ Troubleshooting the System.
 - ✓ PC Assembling.
 - ✓ Installing and Configuring the Networks.
 - ✓ Troubleshooting Network Problems.

Key projects

Project #1

Title : **Porting Embedded Linux on ARM9**
Client : Bariuss Tech Solutions.
Team Size : 1
Environment : Mandriva Linux, Embedded_C, KB9202, Gtkterm and ARM9.
Role : **Embedded Software Developer**
Description : Porting Embedded Linux on ARM9 using KB9202B Dev-Board .
Responsibility : Configuring and downloading Tool Chain, X-Modem protocol, Boot-Up-loader, ram monitor Utility, stage1-boot loader, U-Boot and porting Linux Kernel.

Project #2

Title : **Implementing wireless communication by radio-frequency**
Client : Bariuss Tech Solutions (P) Ltd., Madurai
Team Size : 2
Environment : Embedded C, 8051 Dev-Board, HT12E – Encoder & HT12D – Decoder
Role : **Embedded Software Developer.**
Description : Implementing wireless communication by radio-frequency electro magnetic wave.
Responsibilities : Soldering electronics components and programming in Embedded C.

Academic Project

Title : **Signature Verification Using HMM for Random, Simple and Skilled Forgeries**
Team Size : 3
Environment : VC++ .NET , Back end: SQL Server, Windows XP
Role : **Developer**
Description : The goal of this project is to provide an alternate way of security by comparing the hand drawn signature of a person with the hand drawn signature of the same person that is already stored in database. This project reports the contribution to signature verification considering the different forgery types in an HMM framework. In addition, the experiments show promising results in skilled forgery verification by using simple static and pseudo-dynamic features.

Academic Profile

- Master of Computer Applications with 61.78% from Annamalai University, Chidambaram, 2011.
- Bachelor of Science in Zoology with 60.31% from Govt. college of Arts and Science, kumbakonam, 2003
- Higher Secondary School with 47.41% from Govt.Boys higher secondary School, Aranthangi, 2000.
- Secondary school with 68.8% from RK.Government Hr. Sec. School, P.Ramachandrapuram, 1998

Certifications and Training

- Diploma in Computer Hardware Technology, Tiruchirappalli Regional Engineering college 's Science and Technology Entrepreneurs Park, Trichy, 2003.
- Post Diploma in Networking Technologies ,Tiruchirappalli Regional Engineering college 's Science and Technology Entrepreneurs Park, Trichy, 2004.
- **Cisco Certified Network Associate (CCNA)** , Cisco ID : CSC011195534 ,Sans bound Solutions Pvt. Ltd. Kodambakkam, Chennai, 2007.

Awards and Achievements

- University shuttle cock RUNNER , 2003.
- Best NCC cadet award.

Hobbies

- Surfing on Nuero Science related topics .
- Microcontroller Projects.
- Home Appliances Servicing.

Personal Profile

Father's Name	:	E. Jeyabalan
Address	:	#6/1863E.1, Asari colony 6th street, Satchiyapuram (PO) , Sivakasi (TK), Virudhunagar (DT), Tamil Nadu, Pin: 626124.
Date of Birth	:	17 - 08 - 1983
Sex	:	Male
Marital Status	:	Single
Nationality	:	Indian
Passport Status	:	
Languages known	:	English and Tamil

Place :

Yours Truly,

Date :

(Thilip Kumar .JB)