



Ajitav Mohanty

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Objective

Seeking a position which holds responsible for handling a project, customer interaction, technical advisory together with designing, developing and executing to a final product.

Typical Roles: Handling Projects; Application development; Embedded Software development; Software Testing; Envision New ideas.

Skills

- Domain Knowledge:
 - SmartCard technology and standards viz. ISO7816, GSM/UMTS, Cryptography, Global-Platform, OTA etc.
- Programming Languages:
 - C, C++, C# (practical approach), VB & VBA macros, Assembly Language Programming for Microcontrollers.
- Software Development and other Tools:
 - Eclipse IDE, Source Insight, MPLAB Ide, Proteus Simulator, Visual Studio 2010, XL Macro, PC-Lint, IBM Clearcase, SVN, JIRA, Doxygen & Doors.
- Microcontrollers & RTOS:
 - LPC21xx (Wrote Bootloader for LPC21xx), Atmel AVR, 8051, and Microchip controller and FreeRTOS.
- Communication/Protocols:
 - TCP/IP, UDP (Modem Raw Interfacing), RS232, RS485, SPI, I2C.

Work experience

Giesecke and Devrient India Private
Limited, Pune

January 2013 — Present

Sr. Software Engineer

- Development of UICC proprietary applications for Customers, CPMs and other stake holders.
 - The Card pre-production and Data generation application.
 - Card personalization tool utilities.
 - various other security and cryptographic tool utilities.
- Development of various Smart card Test assemblies viz. OTA, RAM/RFM, Global Platform compliance for Acceptance testing at Customer's end.
- Provide maintenance Support to Production Testing tools and libraries and validation to various Customer Profiles.
- Liaise with various Customer Managers across the globe for getting requirement and providing tools and technical support.
- Ensure proper delivery and documentation for the project.

- Development of Smart card proprietary native application StarCache for Wireless OTA solution and Javacard applets.
- Traveled overseas for business decisions and providing technical support when necessary.
- Follow Agile methodology and corresponding tools viz. Jira, Confluence.

DSR Infotech Private Limited, Pune

August 2011 — January 2013

Embedded Firmware Developer

- Follow AGILE software development process.
- Embedded Source code development, maintenance and up-gradation to enhanced features for Boardshare stylus and camera device based on microchip micro-controller.
- Bugfix, enhance and develop drawing tools for the Desktop companion software for Boardshare.
- Provide product solutions and new ideas.
 - Cross-platform development for the BoardShare application software.
 - Initiated development for FTIR based Multi touch surface technology.
 - Created Test Tools and Test Rig for product testing.
- Ensure Software code quality.
- Ensure proper documentation for the project.
- Point of contact for communication and follow-up with vendors, clients, etc.

Powertech Automation Solutions India Private Limited, Pune

April 2010 — June 2011

Embedded Engineer

- Wrote Arm LPC2148 Bootloader for Remote upgradability.
- Migration to Open Source Development Environment for LPC micro-controllers.
- Interfacing SIM300 Modem and wrote GSM/GPRS AT Command Stack for Raw TCP/IP or UDP communication to deploy on various embedded monitoring devices.
- Wrote Socket programs on Linux devices for Embedded Monitoring systems.
- J2ME Application for Vehicle Tracking & Reporting to Server.
- Setup various processes for the Organisation.

Giesecke and Devrient India Private Limited, Pune

January 2008 — March 2010

Software Engineer

- Sim toolkit Application development in both native, java card applet and WML WIB bytecode.
- developed native implementation of eCommerce application, dual imsi, roaming etc. for SIM card.
- Development of Smart card Test assemblies for Acceptance testing at Customer's end.
- Ensure proper documentation and delivery for the project.
- Smart card Native embedded Project migration to different Chip Architecture.

Qualifications

- Certified Software Tester (ISTQB)

Education

MS in Advanced Embedded System Design

June 2006 — January 2008

ISquareIT, Pune

Obtained the MS degree with GPA 2.9 out of 4.

Interests

- Thinking new ideas, Music, Reading, Painting
- Writing technical and ideological blogs
 - <https://www.blogger.com/profile/17473551145522293235>

References

Mr. Ramesh Chandra Vishwakarma,
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