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Mobile: :+91-0000000000 Email: xyz@gmail.com

EMBEDDED SOFTWARE ENGINEER

Embedded Software Engineer with over 8 years experience; uses a broad knowledge of engineering and software technology and its application to assist in the design, development, and sustenance of product systems or subsystems. Good understanding of device drivers, exposure to the complete Software Development Life Cycle. Strictly adhere to time schedules and successfully accomplish assigned objectives. **Employed at present** with the India's leading IT consulting firm, XYZ Solutions, as a Software Engineer. **Seeking a challenging role as a Senior Systems Programmer** in a progressive organization.

SKILLS AND CAPABILITIES

- ❖ Develop/test/implement embedded software used in electronic control modules
- ❖ Develop/test/implement customer specific software components
- ❖ Determine customer requirements, implement and follow up as needed
- ❖ Perform embedded software systems integration and overall project management.
- ❖ 'Trouble shoot' software and other issues with customer implementation
- ❖ Provide technical support for embedded software used by product developers and test engineers.
- ❖ General experience in the development of embedded systems.
- ❖ Knowledge of micro-controllers, various compilers and debuggers.
- ❖ Knowledge of software design and distributed embedded systems architectures.
- ❖ Ability to troubleshoot issues to resolution. Strong problem solving and root cause analysis skills.
- ❖ Strong communication skills both oral and written including facilitating, listening, and presentation skills.
- ❖ Willingness to learn new systems and embedded applications. Good understanding of project management process.
- ❖ Multi-Tasking/Multi-Threading Development and ability to work in a team environment.
- ❖ Achieved 100% on time within budget delivery of projects.

TECHNICAL SKILLS

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|--------------------------|--|
| Operating Systems | : Windows, Linux |
| Languages | : C, C++, Win 32 API,MFC |
| Protocols | : SDIO, SDMEM, MMC,802.11 |
| Tools | : GNU Toolchain, Eclipse , Visual Studio |
| Debuggers | : WinDbg, Debug View,IRP Tracker |
| Education | : Master of Computer Applications, Pune University, India – 2003 (scored 61% marks) |

HIGHLIGHTS OF PROJECTS EXECUTED

PROJECT #1:

Object: Miniport Driver for Wireless Network Controller. Project involved implementation of new feature and enhancements to the existing WLAN driver for Win8 OS.

Key Role: Implemented LTE Coexistence with Wi-Fi; Bug Triaging and fixing.

Environment: Platform: Windows 8; Language: C; Tools: WinDDK, WinDBG, Prefast.

PROJECT #2:

Object: Design and development of the GPIO driver including: Initializing the VAM board. Initializing all the GPIO pins. Increasing or decreasing the attenuation based on the USER request.

Key Role: Device initialization, I/O operation and interrupt handling.

Environment: Platform: Red Hat Enterprise Linux; Language: C; Tools: Cross Compiler Toolchain.

PROJECT #3:

Object: Design & development of PCI driver for device initialization, I/O operation & interrupt handling.

Key Role: Design and development of PCI driver.

Environment: Platform: Win-XP, Win-Vista; Language: C; Tools: WinDbg, DebugView.

PROJECT #4:

Object: Design and development of PCI SD HOST Driver.

Key Role: Involved in design and development of PCI SD HOST Driver, Device initialization, I/O operation and interrupt handling.

Environment: Platform: Win-XP, Linux 2.6; Language: C; Tools: WinDbg, Debug View.

PROJECT #5:

Object: Design and development of SDIO UART Driver: Enumerating the device attached with SD HOST. Initializing the SDIO UART device. Performing I/O operations

Key Role: Involved in design and development of the driver for device initialization, I/O operation, interrupt handling.

Environment: Platform: Win-Xp; Language: C; Tools: WinDbg , DebugView.

PROJECT #6:

Object: Design and development of SD Designer (Host Simulator). Creating the predefined and user defined script. Executing and debugging the script. Showing the result of each and every step in to a separate view while executing the created script. Interacting with the device for running the created script.

Key Role: Involved in design and development of low level interaction with device for running the created script.

Environment: Platform: Windows; Language: C, C++; Tools: Visual Studio.

PROJECT #7:

Object: Design and development of SD Sleuth Bus analyzer. Capturing the data that is traveling through bus. Compressing the file that has been created by capture module. Performing analysis by using the compressed file and creating xml and html file. Displaying the analysis in several different views like Logical Analysis View, Raw Data View, Detail View, Find View, and Bus Analysis View. Synchronizing all the views together

Key Role: Involved in design and development of analysis of the sd protocol.

Environment: Platform: Windows; Language: C; Tools: Visual Studio.

PROFESSIONAL WORK EXPERIENCE

XYZ Solutions, India - **Software Engineer**

February 2011 – Present

ABC Solutions, India - **Software Engineer**

May 2010 to February 2011

HIJK, India - **Software Engineer**

June 2008 to April 2009

LMNOPQ , India – **System Software Engineer**

March 2008 to June 2008

EFGH, India - **Software Engineer**

April 2005 to November 2007

References: Available upon request.