

ROBERT SMITH

Senior Embedded Software Engineer/Manager

Phone: (0123)-456-789 | Email: info@qwikresume.com | Website: Qwikresume.com

SUMMARY

11+ years of experience in embedded firmware design & development for 8/16/32 bit microcontroller based systems, software/ hardware integration, testing and full software development life cycle in automotive, biomedical, consumer industrial and transportation domain products. Expertise in communication protocols I2C, SPI, UART, RS232, CAN, USB, ETHERNET.

CORE COMPETENCIES

Embedded Firmware Developer, I2C, SPI, UART, RS232,.

PROFESSIONAL EXPERIENCE

Senior Embedded Software Engineer/Manager

GENFARE - February 2013 – 2020

Key Deliverables:

- Embedded firmware programming for different Fare box system Embedded C firmware programming for 32-bit Altera FPGA Cyclone IV (EP4CE30F23I7) Soft processor.
- Defined Wi-Fi application architecture and implemented for Fare box data probing with Data system.
- Ported Redpines Wi-Fi module stack for Wi-Fi application development for FASTFARE & FASTFARE-e fare boxes solely.
- Ported Micrium TCP/IP stack for Wi-Fi and Ethernet for establishing network communication.
- Implemented SPI driver for Wi-Fi module communication.
- Implemented I2C drivers & application for cap-touch panel in the fare box LID board.
- Implemented BSD Socket programming, UDP, TCP/IP, DHCP programming and network application development.

Senior Embedded Software Engineer

Delta Corporation - 2011 – 2013

Key Deliverables:

- India Designed and developed firmware for 8/16 bit Microchip PIC microcontroller.
- Worked for automotive, consumer, bio-medical project development.
- Responsible for hardware / software integration testing and bug fixing.
- Leading team for offshore & onsite project execution and responsible for complete product development.
- In-charge for customer requirement analysis, design & development, prototyping & release.

ROBERT SMITH

Senior Embedded Software Engineer/Manager

Phone: (0123)-456-789 | Email: info@qwikresume.com | Website: Qwikresume.com

- Implement CMMI level3 process and practices for engineering, quality and organizational team.
- Worked on user interface, configuration, and remote firmware upgrade modules of embedded software for Boardshare project.

EDUCATION

Master of Science in Science & Computer Technology - (Periyar University - Salem, Tamil Nadu)

