ROBERT SMITH

Senior Embedded Software Engineer II

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SUMMARY

Would like to get back to my roots as a Subject Matter Expert (SME) / field service engineer (or technician) overseas.

SKILLS

C++, C, WiFi Drivers.

WORK EXPERIENCE

Senior Embedded Software Engineer II
Wanco - April 2014 – 2020

- Responsibilities New software development (in C) from inception to release for the following products.
- Developed Embedded software for LXM Irrigation Control system using Atmel ATmega128 AVR microcontroller, CMX RTOS and MicroNet TCP/IP stack, and .
- Developed Wireless Network protocol using the Nordic RF transceiver nRF2401A and Texas Instruments Microcontroller MSP430F1612.
- Upgraded to the existing proton treatment facility at loma linda university medical center.
- Responsibilities included gui test development, incorporating user authentication and checksum functionality into a gui, implementing a can bus class to handle can communication protocols for the udp-based ethercan adapter.
- Participated in software system architecture development and document software requirements and development plan.
- Performed detailed design analysis and reviews with hardware engineering team to achieve product performance, cost, reliability and manufacturability requirements

Senior Embedded Software Engineer
Delta Corporation - 2009 – 2014

- Developed Embedded Software for Tactical Training Systems with TI Microcontroller MSP430F1612.
- Senior Embedded Software Engineer working on Patriot Missile Modernization Program.
- Using LINUX to create and test message mapping to/from Missile Control.
- Skills Used LINUX C++, Clear Case.
- Developing Linux/QT/C++ embedded software for companys next generation blood gas analyzer device based on the iMX6 ARM processor.
- To support the ARM environment, I created a Linux development boot image using the Yocto Project, developed a multi-tiered build system capable of .
- This is Dummy Description data, Replace with job description relevant to your current role.

SCHOLASTICS

- BSEE - (University Of Colorado at Denver - Denver, CO)