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EDUCATION

Bachelor of Science in Electronics and Communication Engineering

Master of Science in Computer Engineering

EXPERIENCE

Software Engineer - Embedded Systems 06/2015 - 08/2018

- Managed legacy embedded software maintenance and optimization projects, achieving a 15% increase in system performance. Innovated new features that were highly commended by clients for enhancing product capabilities.
- Hard skills: C/C++, Software Optimization, Documentation.

Senior Embedded Software Developer 09/2018 - 03/2021

- Championed a comprehensive debugging and firmware overhaul for IoT devices, slashing system crashes by over 90%. Mentored junior developers, enhancing team productivity and fostering a culture of technical excellence.
- Hard skills: Debugging, Firmware Updates, IoT Development, C/C++.

Lead Software-Embedded Engineer 04/2021 - Present

- Leading the migration to STM32 microcontroller platforms, orchestrating a team to overhaul existing software, resulting in a substantial 25% boost in processing efficiency. Pioneered the implementation of sophisticated communication protocols, fortifying system connectivity and dependability. Played a crucial role in architectural decision-making, aligning software practices with industry-leading standards.
- Hard skills: STM32 Development, RTOS, I2C, SPI, USART, CAN, Power Management, Git, Continuous Integration.

SOFT SKILLS

Effective Communication, Team Leadership, Analytical Thinking, Client-Centric Approach, Problem-Solving, Adaptability.

LANGUAGES

English, Spanish.