

Eucalyptus

EXPERIENCE

Embedded Software Engineer

08/2010 - 12/2013

- Initiated my career in embedded systems, focusing on the enhancement of legacy software, employing my skills in debugging and code optimization. Through analysis using profiling tools and implementing optimization algorithms, I fostered a 15% improvement in legacy device performance, ensuring extended lifecycle and reliability. In addition, I wrote the documentation using Confluence.
- Hard skills: Code Optimization, Confluence, C/C++.

Lead Embedded Software Developer

01/2014 - 05/2018

- Played a key role in the development and refinement of algorithms, utilizing C and C++ in Eclipse IDE, to optimize system operations of a diverse range of products. My deep-dive into performance tuning and close collaboration with QA teams using JIRA for defect tracking fostered a robust development cycle. Through implementing unit testing frameworks and automated testing, we achieved a 98% defect-free release rate during my tenure, significantly bolstering product reliability.
- Hard skills: C/C++, JIRA, Collaboration with QA, Eclipse, Vector Software.

Embedded Software Technical Lead

06/2018 - Present

- As a leading expert in STM32-based system design, I guide and implement cutting-edge software solutions. My adept use of STM32CubeIDE and Keil MDK, coupled with my proficiency in integrating software with hardware peripherals, contributes to a robust and synchronized system architecture. By leveraging RTOS and my in-depth knowledge of communication protocols, I have spearheaded a 20% improvement in system performance.
- Hard skills: STM32, STM32CubeIDE, Keil MDK, RTOS, I2C, SPI, USART, CAN.

SOFT SKILLS

Effective Communication, Team Collaboration, Problem Solving, Adaptability, Analytical Thinking, Client-Centric Approach, Project Coordination.

LANGUAGES

English, Spanish.