

Cedrus

EXPERIENCE

Embedded Software Engineer

06/2009 - 07/2015

- I propelled the development of embedded software solutions using IAR Embedded Workbench. Optimized system performance by 20%, utilizing performance profiling tools like Perf, while also ensuring a 15% reduction in power consumption through power management techniques and tools like Joulescope.
- Hard skills: IAR Embedded Workbench, Perf, Joulescope.

Lead Embedded Software Architect

08/2015 - 12/2020

- I developed a blueprint for the company's core embedded products using Keil MDK-ARM, ensuring optimal functionality and robustness. Collaboration with both junior and senior engineers. I also conducted testing procedures using JUnit, which successfully plummeted defect rates by over 90%. My mentoring journey involved utilizing platforms like MentorcliQ to track the progress of several engineers who eventually ascended into leadership positions.
- Hard skills: Keil MDK-ARM, Embedded Systems Development, MentorcliQ, JUnit.

Manager of Embedded Systems

01/2021 - Present

- Initiating and managing a comprehensive revamp of software architecture stands out as a pivotal accomplishment in my role. Employing STM32CubeIDE for developing STM32 microcontroller applications and transitioning to RTOS for enhanced performance and scalability, this shift utilizes FreeRTOS for multi-threading and resource management, resulting in a 40% surge in system performance and a 25% reduction in development times. Additionally, through high-level client interactions, which involve precise requirement analyses and alignment meetings, I ensure our solutions cater perfectly to their needs.
- Hard skills: Team Management, Microsoft Project, STM32CubeIDE, RTOS (FreeRTOS), CRM tools.

SOFT SKILLS

Strategic Leadership, Innovative Thinking, Stakeholder Management, Team Motivation, Problem Solving, Client Relationship Management, Mentorship, Decision Making.

LANGUAGES

English, Spanish, Mandarin (Limited working proficiency).