

Product Owner - Virtual Platforms

Tus actividades

Responsibilities:

- Understand the hardware design requirements, develop efficient SystemC models and validate the same.
- Understand the key elements of the SoC architecture, identify the performance bottlenecks, and implement workarounds for the bottlenecks.
- Creation of Virtual SOCs/ECUs by integrating different cores, modules, and peripherals.
- Create and run SystemC Simulations for different use cases for model development, validation, architecture exploration, software bring-up, cloud-based virtualization and so on.
- Collaborate with different teams (Eg: Software team, Requirement team, Hardware design team, validation team etc..) and create simulation environment based on use case.

Tu perfil

BE/Btech or MTech/MS

Lo que ofrecemos

Mandatory Key Skill Set:

- Knowledge on C++, SystemC, TLM and Hardware design.
- Development and validation of functional/ behavioral models at different abstraction levels.
- Experience with modeling of one or more of these modules: SPI, I2C, DMA, CAN, PMICs, Memory, Timers, Watchdog, Interconnects etc.
- Knowledge of ARM CPU architecture
- Experience in using ARM based virtual SoCs / ARM fast models
- Experience working embedded software development (Baremetal, AUTOSAR, Linux), benchmarking, and debugging using virtual platforms
- Knowledge of scripting languages (python, shell).
- Revision control systems e.g., git and Issue Tracking Tools e.g., Jira
- Strong communication skills and good team player.



Job ID
REF24470R

Ubicación
Bangalore

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The Automotive group sector comprises technologies for passive safety, brake, chassis, motion and motion control systems. Innovative solutions for assisted and automated driving, display and operating technologies, as well as audio and camera solutions for the vehicle interior, are also part of the portfolio, as is intelligent information and communication technology for the mobility services of fleet operators and commercial vehicle manufacturers. Comprehensive activities relating to connectivity technologies, vehicle electronics and high-performance computers round off the range of products and services.