Continental

Product Owner - Virtual Platforms

담당 업무

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.

지원자 프로필

BE/Btech or MTech/MS

처우 조건

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.

직무-아이디
REF24470R

지사
뱅갈루루

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기업 소개

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2021, Continental generated sales of €33.8 billion and currently employs more than 190,000 people in 58 countries and markets. On October 8, 2021, the company celebrated its 150th anniversary.

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.