

# Product Owner - Virtual Platforms

## Vaše náplň práce

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.

## Váš profil

BE/Btech or MTech/MS

## Co nabízíme

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.



ID pracovní pozice  
**REF24470R**

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