

Embedded Software Architect

Náplň práce

- Analyze customer and system requirements to derive Software Architecture solutions which are clear and concise for software developers to implement and maintain.
- Coach, support and mentor Software Developers for technical topics
- Design efficient Software Architecture solutions to optimize dynamic run time performance as well as static aspects in terms of efficient software module reuse, RAM and ROM consumption, etc.
- Analyze technical problems from a “First Principles Thinking” viewpoint based on fundamental technical data and facts to analyze technical issues, requirements and change requests logically and systematically.
- Actively participate in Agile Scrum ceremonies such as daily standups, sprint planning and sprint demo
- Communicate and prepare technical presentations to the customers for quotations and technical issues when required.
- Collaborate with the Product Owner, Scrum Master and relevant cross functional teams for the implementation of new features, change requests and bug fixes.

Profil kandidáta

- Bachelor’s Degree in Computer Engineering or Electronics and Electrical Engineering
- Singapore Citizen or Singapore PR is preferred.
- Fluent in written and spoken English.
- Able to conceptualize and visualize the high level “helicopter view” on system and software architecture levels complemented with hands-on experience to deep dive down to the code level when required.
- At least 5 years of practical hands-on experience as a Software Developer in embedded systems in C/C++
- Familiar with RTOS (Real Time Operating System) concepts such as scheduling algorithms (eg: Rate Monotonic, Round Robin, etc), task deadlines as well
- Practical experience with any open source or commercial RTOS frameworks (eg: FreeRTOS, AutoSAR OS, OSEK, etc)
- Experience in System and Software formal modelling languages such as SYSML and UML
- Practical hands-on experience with any CASE (Computer Aided Software Engineering) design Tools (eg: IBM Rhapsody, Enterprise Architect, etc)
- Able to analyze and review electronic schematics to identify potential impacts on embedded software architecture and design.

Čo ponúkame

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application.

O nás

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