Software Engineer

Company Description

- Founded in 2008 and headquartered in Shanghai, EAST provides consulting services for innovative and professional technical solutions to customers in the global automotive industry. EAST is a national high-tech enterprise. It is a research and development partner unit of the International AUTOSAR Software Alliance. We can provide three categories of services based on Automotive SPICE, functional safety ISO26262, Cyber Security network security training, promotion consulting and VDA-QMC official certification review. EAST Automotive Electronics Vietnam was established in 2022. Possess comprehensive R&D capabilities in automotive software development!

Job Description

SW-Development Aspect:

- Responsible for the development of embedded control software for automotive electronics
- Development of peripherals such as GPIO, Watch Dog, PWM, and ADC, and communication protocols such as SPI, I2C, and UART
- Based on VECTOR AUTOSAR SIP and DaVinci configuration tool, develop underlying software modules: RTE interface configuration, COM module, DCM & DEM configuration and development, NvM network management, I/O driver development & I/O hardware abstraction layer development, complex driver development , MCAL configuration, low-level software integration
- CAN/LIN bus development, Ethernet communication bus development
- UDS diagnostic development, network management

SW-Testing Aspect:

- Responsible for Analysis customer testing requirements
- Responsible for the software testing of automotive electronics according to the ASPICE process
- Responsible for building functional integration test environment
- Write functional test cases

- Responsible for writing test requirements specifications, test cases, test scripts, etc.
- Familiar with CAN/LIN bus protocol and related specifications
- Write Python, CAPL test scripts
- Use VECTOR testing toolchain: CANoe, CANdelaStudio, Diva, vTeststudio and other tools to analyze and solve problems found in software testing
- Work closely with the software project team to complete the development of the software
- Reporting to software project manager

Qualifications

- Excellent team spirit
- Project development experience with Infineon, NXP, Renesas and other MCUs
- With CAN/LIN bus, and practical project development experience in diagnosis is preferred
- Have the ability of code writing, software debugging, verification and development and testing of embedded software, code review ability, etc., with project experience in system planning and design, architecture design is preferred
- Knowledge of AutoSAR architecture, ASPICE and ISO2602 functional safety is preferred for embedded software code development experience
- Familiar with software testing techniques (concepts and tools): static code testing, dynamic testing (unit, module testing), software integration testing is preferred
- Master the basics of the ASPICE process
- Fluent English speaking and listening skills are Requested
- Handwritten C and C++ programming languages preferred
- Knowledge of CAN/diagnosis or related testing is preferred
- Basic hardware knowledge of embedded systems is preferred
- 3 or more years of relevant work experience in the field of software testing in the automotive industry

Benefits and Career Opportunities

- Get high salary
- VBI heath care insurance
- Excellent environment to grow up career path
- Challenging yourself with worldwide automotive technologies