**VOLVO Truck 2017/02/23**

Job description

We are looking for persons with long experience in embedded Linux systems development. The objective is to develop, test and debug a Linux platform for an embedded hardware platform currently being developed. The hardware consists of state-of-the-art SoCs (containing FPGAs and GPUs) and various system interfaces, such as Ethernet.

Responsibilities

• Integrate existing low-level Linux software for the developed embedded hardware.

• Debug and test embedded systems, both on hardware and software.

• Good troubleshooting skills and problem-solving skills in embedded systems.

• Good understanding of embedded hardware and software including boot loader, Linux kernel structure and internals, file systems, device drivers, Linux system tuning, debugging, optimization, profiling and test. (I have heard a bit of these, but they are rather advanced, more like a admin level Linux user. )

Requirements

• Ability to develop embedded systems and low-level systems solutions.

• Experience with cross-platform development /debug environment and GNU tool chains. (The only one I know is GCC.)

• Experience with board bring-up: board support package (BSP), first boot loader, U-boot, customizing Linux system boot-up, flash driver for loading very first images, hardware board diagnostic c (FPGA validation and schematic) using software (assembly and/or C) and/or hardware (logic analyzer and/or oscilloscopes).

• Experience with Linux kernel, integrating and troubleshooting embedded system with u-boot, Linux, JTAG debugger and test.

• Experience with Linux device drivers (char, block, network) troubleshooting and debugging.

• Experience with embedded Linux system tuning, optimization, profiling, test, debugging such as file system, scheduler, kernel internals, system calls, storage and cache.

• Experience and strong skills on ARM processor cores, FPGAs and GPUs.

• Experience in the Yocto embedded Linux build system.

## Assignment Details 2017/03/27

|  |  |
| --- | --- |
| Number of consultants needed: | 1 |
|  |  |
| Job: | Embedded Software Application Engineer |
| Level of experience: | 4 - 6 years of experience in the domain |
| Job code: | ETEE02-2 |
| Role description: | Perform functional development meaning requirement breakdown, software design, documentation, implementation, testing and verification. Specialize in a technical domain (Vehicle, HMI, Combustion, Engine After treatment, Electro mobility, Powertrain control, Control Theory, Mechatronic) in which features are developed. |
| Assignment location: | Göteborg |
| Start date: | 2017-03-27 |
| End date: | 2017-12-31 |
| Estimated hours: | 1600 |
| Work description | Perform functional development meaning requirement breakdown, software design, documentation, implementation, testing and verification. Specialize in the climate application SW domain. |

## Additional Requirements

|  |  |
| --- | --- |
| Personal skills needed (industry experience, international experience, software, material etc.) | Competencies required for this project include: Strong Embedded Software implementation knowledge, Knowledge of Volvo Autosar Platform , Experience in TEA2+, Experiences from agile development, SW architect knowledge Specific software knowledge requirements include: Experience in Vector Autosar tool chain like Da Vinci Tool, Experience in CANoe, Hardware/software integration, RTOS, Knowledge of. ClearCase, ClearQuest (preferred) , Knowledge of Volvo tools as SEWS, Protus (preferred) |

## Assignment Details 2017/03/01

|  |  |
| --- | --- |
| Number of consultants needed: | 1 |
|  |  |
| Job: | Embedded Software Application Engineer |
| Level of experience: | 4 - 6 years of experience in the domain |
| Job code: | ETEE02-2 |
| Role description: | Perform functional development meaning requirement breakdown, software design, documentation, implementation, testing and verification. Specialize in a technical domain (Vehicle, HMI, Combustion, Engine After treatment, Electro mobility, Powertrain control, Control Theory, Mechatronic) in which features are developed. |
| Assignment location: | Göteborg |
| Start date: | 2017-03-01 |
| End date: | 2017-12-31 |
| Estimated hours: | 1760 |
| Work description | We are looking for a T-shaped software engineer profile. Someone who has experience from both SW development and verification or one of the two with the ambition/interest of performing both. The target is to be a team player that takes the tasks where needed within the scrum team. The development domain is within instrument cluster.SW development: Perform functional development meaning requirement breakdown, software design, documentation, implementation, testing and verification. Specialize in the instrument cluster application SW domain.SW verification: Define and validate the test environment. Integrate, verify, and validate the electrical system with the aim, according to the component interface and expected system behavior. |

## Additional Requirements

|  |  |
| --- | --- |
| Personal skills needed (industry experience, international experience, software, material etc.) | Qualifications: You should have a genuine passion for embedded software development. We believe you have a background in automotive systems and software engineering. Experience from Agile development is a merit. |

## Assignment Details 2017/03/06

|  |  |
| --- | --- |
| Number of consultants needed: | 1 |
|  |  |
| Job: | Embedded Software Application Engineer |
| Level of experience: | 0 - 3 years of experience in the domain |
| Job code: | ETEE02-1 |
| Role description: | Perform functional development meaning requirement breakdown, software design, documentation, implementation, testing and verification. Specialize in a technical domain (Vehicle, HMI, Combustion, Engine After treatment, Electro mobility, Powertrain control, Control Theory, Mechatronic) in which features are developed. |
| Assignment location: | Göteborg |
| Start date: | 2017-03-06 |
| End date: | 2018-01-31 |
| Estimated hours: | 1904 |
| Work description | ECU SW owner As Software Owner you will be delivery- and lifecycle responsible for the embedded software in an ECU (Electrical Control Unit). The mission is to secure that the delivered Software meet defined requirements. You will in this role work in a cross functional team, often with global representation. In addition you will also cooperate with external suppliers or GTT in-house software team to develop the ECU software. |

## Additional Requirements

|  |  |
| --- | --- |
| Personal skills needed (industry experience, international experience, software, material etc.) | Degree in in Electrical Engineering, Computer Engineering, Mechatronics or similar1-3 years of experience within software development of embedded systems, or 1-3 years of experience within test and verification of embedded systems Software development and related processes Supplier partnership management Hands on fault tracing in vehicle Fluent in English, written and spoken CANAlyzer tool Experience from APQP (Advanced Product Quality Planning) is a merit Experiences from agile development and continuous integration are a merit. |

Volvo Bus

## Assignment Details 2017/04/09

|  |  |
| --- | --- |
| Number of consultants needed: | 1 |
|  |  |
| Job: | Hardware Electronics Engineer |
| Level of experience: | 0 - 3 years of experience in the domain |
| Job code: | ETEE06-1 |
| Role description: | Develop and document electronics components (e.g. ECUs, sensors & actuators). |
| Assignment location: | Göteborg |
| Start date: | 2017-04-09 |
| End date: | 2017-12-31 |
| Estimated hours: | 1528 |
| Work description | • Responsible for collecting written component requirements based on feature/function requirements and system/architecture requirements. • Write Technical Requirements Specification connected to the component according to the obtained requirements. • Create, modify, and release product documentations. • Initiate and develop design concepts to meet objectives set by projects. • Interface with suppliers. • Review, analyze and report on component compliance via test reports and spec sheets. Develop action plans to meet compliance if necessary • Coordinate together with other departments within the division in order to develop and produce new designs and sustaining solutions. • Communicate with project leader and other stakeholders with recommendations to meet projects plans. • Working with quality related issues. |

## Additional Requirements

|  |  |
| --- | --- |
| Personal skills needed (industry experience, international experience, software, material etc.) | We are now looking for a Electrical HW Designer / Component Owner within the Electrical Components group. Responsible for HMI / Dashboard switches, stalkes and other components. |

Volvo GTT

## Assignment Details 2017/05/01

|  |  |
| --- | --- |
| Number of consultants needed: | 1 |
|  |  |
| Job: | System Verification Engineer |
| Level of experience: | 4 - 6 years of experience in the domain |
| Job code: | ETEE12-2 |
| Role description: | Define and validate the test environment. Integrate, verify, and validate the electrical system with the aim, according to the component interface and expected system behavior. |
| Assignment location: | Göteborg |
| Start date: | 2017-05-01 |
| End date: | 2017-12-31 |
| Estimated hours: | 1400 |
| Work description | ECU verification - Test Automation ECU verification - Test Automation: We need to further strengthen our capacity within our automated ECU verification team for chassie nodes. The work is focusing on development of automated test cases and execution of regression test suites. |

## Additional Requirements

|  |  |
| --- | --- |
| Personal skills needed (industry experience, international experience, software, material etc.) | Test automation, CANoe, CAPL, analythical skillness, automotive knowledge, diagnosis ISO 14229, ISTQB. Optionally and preferably: #C and script experience. |

Volvo Technology

## Assignment Details 2017/04/03

|  |  |
| --- | --- |
| Number of consultants needed: | 1 |
|  |  |
| Job: | Embedded Software Integration Engineer |
| Level of experience: | 0 - 3 years of experience in the domain |
| Job code: | ETEE04-1 |
| Role description: | Manage and configure the software platform and integrate application software components and the software platform into complete node software. Verify the software platform. This includes software build environment and continuous integration/deployment. The Embedded Software Integration Engineer also develops the embedded software technologies and the software platform. |
| Assignment location: | Göteborg |
| Start date: | 2017-04-03 |
| End date: | 2017-10-31 |
| Estimated hours: | 1216 |
| Work description | Embedded Software Developer Embedded Software Developer Job description We are looking for persons with long experience in embedded Linux systems development. The objective is to develop, test and debug a Linux platform for an embedded hardware platform currently being developed. The hardware consists of state-of-the-art SoCs (containing FPGAs and GPUs) and various system interfaces, such as Ethernet. Responsibilities • Integrate existing low-level Linux software for the developed embedded hardware. • Debug and test embedded systems, both on hardware and software. • Good troubleshooting skills and problem-solving skills in embedded systems. • Good understanding of embedded hardware and software including boot loader, Linux kernel structure and internals, file systems, device drivers, Linux system tuning, debugging, optimization, profiling and test. Requirements • Ability to develop embedded systems and low-level systems solutions. • Experience with cross-platform development /debug environment and GNU tool chains. • Experience with board bring-up: board support package (BSP), first boot loader, U-boot, customizing Linux system boot-up, flash driver for loading very first images, hardware board diagnostic (FPGA validation and schematic) using software (assembly and/or C) and/or hardware (logic analyzer and/or oscilloscopes). • Experience with Linux kernel, integrating and troubleshooting embedded system with u-boot, Linux, JTAG debugger and test. • Experience with Linux device drivers (char, block, network) troubleshooting and debugging. • Experience with embedded Linux system tuning, optimization, profiling, test, debugging such as file system, scheduler, kernel internals, system calls, storage and cache. • Experience and strong skills on ARM processor cores, FPGAs and GPUs. • Experience in the Yocto embedded Linux build system. |