Systems Engineer

Location:
Munich, Germany.

Expiring date:
Position is open until filled.

Position Description:
As a Systems Engineer at Micron Technology in Munich, Germany, you will work on system level development platforms from chip set vendors (evalboards) and on real life prototype and production customer platforms (PCB boards) with main focus on new business generation and support for Micron.

You will be supporting the whole existing Micron memory product portfolio (DRAM, NAND and NOR Flash modules and devices) and validate and enable a memory sub system solution for potential future products. Your focus markets are Automotive, Telecom Networking and Set Top Boxes.

In this role, you will obtain a deep understanding of the platform and perform system level test, evaluation and benchmarking. In case the development platform is not ready to take a Micron product in form and function, you need to be capable of performing according hardware changes to the existing PCB.

On system level you will use high end measurement equipment to monitor and debug the memory interface for signal and timing integrity (noise, spikes, potential conflicts, etc).

You will analyze the behavior of system components at different end user scenarios and environmental conditions like temperatures. System benchmarks for the memory subsystem will be performed. On SW level you are working to enhance the performance and value of the memory sub-system by optimizing software including the memory driver and original equipment manufacturer ("OEM") and/or chipset vendor system software. On demand, you will have to provide debug support in case a system returns with a fail from the end customer. This role requires a close cooperation within the local team and multiple persons might interact to cover all aspects and interfaces between Hardware and low level embedded Software. You will work closely together with our customer’s development departments. Internally to Micron, you will work on the local team and also interface and closely cooperate with global teams like product engineering, other test locations and design. Observations from your validation activity will be shared with those teams to help improve existing and future Micron memory solutions.

Outcome of your work will also be used with customers to help improve their usage of Micron memory solutions.

Required Skills:
- Willingness and capability to constantly learn about new memory systems and architectures.
- Hands on experience on a working development platform or prototype for designing and validating advanced electronic appliances.
- Basic familiarity with state of the art test tools (logic analyzer, oscilloscope, emulators, debuggers, etc).
- Experience in operating IC device level test equipment (in particular for memories like programmers or flash) is beneficial.
- A basic understanding of embedded Operating Systems (in particular QNX and Linux) is preferred.
- Coding experience in scripting languages, C++ and assembler is a plus.
- Practical experience in an automotive or industrial working environment or Lab is of advantage.
- Good team work and communication skills internally and externally.
- Language skills: English. German and/or Italian is of advantage

Education:
University or Bachelor degree in Electrical Engineering or a similar technical Engineering degree.

Additional Information:
This position reports into the “Systems Engineering Manager” and will have to work out of the Micron Deutschland GmbH office in Munich. Travel to our customer locations in Europe for joint cooperation will be required.

Basic training will be provided on the job in Munich, travel for in depth training at other Micron locations (Agrate, Catania, Folsom, Boise and Shanghai) will be arranged if required.

Application Instructions:
To apply, please send your resume (CV) via email to HREU@micron.com. Please include the Job Title in that email.