Systems Engineer (m/f)

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 directly with our customers and partners systems enabling their and our success with main focus on new business generation and support for Micron.
You are exposed to variety of exciting applications in their early development like real life prototype and production customer platforms (PCB boards) and system level development platforms from chipset vendors (evalboards) in a dynamic and evolving environment.

You combine International Semiconductor Know How with German Engineering spirit and will be supporting the whole existing Micron memory product portfolio (DRAM, NAND and NOR Flash modules and devices). You will validate and enable a memory sub system solution for potential future products in the focus markets Industrial, Automotive and Set Top Boxes.

In this role you
- Have a deep understanding of the system and development platform.
- Perform system level test, evaluation and benchmarking for the memory subsystem.
- Perform system PCB modification in hardware so it can accept a Micron product in form and function.
- Use high end measurement equipment to monitor and debug the memory interface for signal and timing integrity (noise, spikes, potential conflicts, etc) on system level.
- Analyze the behavior of system components at different end user scenarios and environmental conditions like temperatures.
- Work to enhance the system 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.
- Provide debug support on demand in case a system returns with a fail from the end customer.

This role offers
- Close cooperation within the local team and multiple persons might interact to cover all aspects and interfaces between Hardware and low level embedded Software.
- Direct interaction with our customer’s development departments.
- Teamwork within Micron locally and globally by interfacing and closely cooperating with partner teams like product engineering, other test locations, application engineering, architecture 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:
- 3+ years working experience with Systems or Experience as HW-Developer or HW-Designer.
- Practical experience in an automotive or industrial working environment or Lab is of advantage.
- 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.
- Good team work and communication skills internally and externally.
- Language skills: Business fluent English. Business fluent German. Another European language 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. Occasional travel to our customers 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 (Europe, USA, APAC) will be arranged if required.

Application Instructions:
To apply, please send your resume (CV) via email to careers.germany@micron.com. Please state your availability and salary expectations and include the Job Title in that email.