OPENSYNERGY

Embedded Hypervisor Architect (f/m/d)

Location: **Berlin**
Start Date: **immediately**

Our Company

OpenSynergy works on one of the most fascinating topics in software development: e.g. the integration of Linux or Android solutions with automotive-specific software such as AUTOSAR, the development of the Bluetooth® stack Blue SDK, of an OTA update mechanism and a kit providing high quality of signal processing for hands-free applications in the car.
Our customers include automotive manufacturers and suppliers. That's why COQOS rides along in the car.

OpenSynergy is an independently managed company. Its headquarters are situated in Berlin with locations in Munich and the United States. The company is continuously growing and our corporate culture is inspired by the internationality of our employees, partners and customers.

OpenSynergy is a development member of the AUTOSAR development partnership, member of the GENIVI Alliance, The Linux Foundation and Automotive Grade Linux (AGL). It participates in national and international research projects such as ARAMIS and EURO-MILS.

If you would like to join our team, apply today. We look forward to meeting you.

Responsibilities

You will define optimal architectures and steer hypervisor feature development, device virtualization concept development and guest OS (Linux, RTOS) support. You come up with designs that fulfill strict automotive security and safety requirements. You provide technical leadership for the project team.

Our Expectations

- You have completed a BSc, MSc or PhD in Computer Science, Electrical Engineering or in a related field
- You have a deep understanding of CPU virtualization architectures
- You have practical experience with either Intel VT-x or ARM VE, with Intel VT-d or ARM SYSMMU
- You bring a profound understanding of device virtualization techniques
- You understand security technologies like ARM TrustZone
- You are familiar with operating system kernels (preferably Linux)
- You have knowledge of Linux subsystems like PCI, block device, BT, Wireless, DRM and of Linux Power Management
- You understand established virtualization frameworks like KVM and virtio
- You have experience with (para)virtualization of complex devices (clocktree, display controller)
- You have experience with GPU virtualization (GVT-s, GVT-d or GVT-g)
- You are fluent in embedded C and/or Go
- You are familiar with professional software development processes and tools for embedded systems

- You work well within a team and take a creative, hands-on approach to the benefit of those around you
- You have a good command of English (for technical work)
- You are highly committed, flexible, and willing to show initiative.

We offer:
- a creative working atmosphere with flextime
- a chance to work in Berlin's dynamic district Friedrichshain
- international colleagues and customers
- an opportunity to work with experts in the field of embedded software for cars
- an open-minded and fair working atmosphere.

Please send your complete application in German or English along with your desired salary to jobs@opensynergy.com.