



Hypervisor Engineer (f/m/d)

Location: Berlin
Start Date: immediately

Our Company

OpenSynergy builds embedded software for vehicles and paves the way for autonomous driving.

OpenSynergy's customers are car manufacturers and Tier1 suppliers around the globe. Our portfolio contains several innovative products. COQOS SDK is a software platform for connectivity, infotainment and driver assistance systems. It uses hypervisor technology to support the development of highly integrated vehicle systems. We often use open source solutions, such as Linux, in our designs and actively support the current and future AUTOSAR standards. Our product Blue SDK is the leading Bluetooth-Stack in automotive and supports new use-cases requiring low energy wireless communication in the car. Update SDK provides a secure over-the-air software update solution. Our software solutions are ideally suited to create an integrated driver experience and to connect the car securely to the cloud.

Linux-, AUTOSAR-, Android- and Hypervisor-experts, developers, architects and project managers all participate in the development of our products and in customer projects. Our corporate culture is inspired by the diversity and international character of our employees, partners and customers.

We like to delegate responsibility and invite all our employees to participate in a continuing process of improvement and innovation. We offer several routes for career development: as a technical expert, a team leader, a technical lead or a project manager. At every stage we will recognize your performance by a competitive pay.

OpenSynergy is an independently managed company with head office in the center of Berlin and additional offices in Munich and the USA. The company is constantly growing. If you too would like to join, send us your application. We look forward to it.

Your Responsibilities

As a Hypervisor Engineer, you are part of a cross-functional team of engineers that develops the COQOS Hypervisor Core. You will steer Hypervisor feature development from beginning to end. You will come up with designs/requirements that fulfill strict automotive security and safety standards, implement them, and establish comprehensive testing. In each of these stages, you work hand in hand with our teammates, to achieve the best outcome.

Our Expectations

- You hold a state-recognized degree as 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 are familiar with operating system kernels (preferably Linux)
- You understand established virtualization frameworks like KVM and Virtio
- 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 are highly committed, flexible, and willing to show initiative.
- You have very good command of English, spoken and written.

Furthermore, experience in the following fields is of high value:

- You understand security technologies like ARM TrustZone
- You have knowledge of Linux subsystems like PCI, block device, BT, Wireless, DRM and of Linux Power Management
- You are familiar with development to automotive standards
 - ISO26262
 - ASPICE.

We offer

- A medium-sized company with start-up flair, with a culture of short distances to each other and close cooperation, where everyone knows everyone
- An innovative, international and open work environment with long-term and diverse perspectives with flat hierarchies
- Semi-annual feedback culture and annual salary reviews
- Flexible distribution of working hours (trust-based flex time) and home office as well as 30 vacation days per year
- Fresh fruits and vegetables, club mate, fair trade coffee, organic milk and many different types of tea are freely available
- A large lounge area with a nice kicker
- Bike leasing possible for all employees from their first working day
- Regular sporting company events and team events
- Cooperation with the Urban Sports Club
- Bonus payment for referring new employees
- Sponsored German or English classes if needed.

Please send your complete resume (including a response to the specific job requirements and your salary expectations) to jobs@opensynergy.com.