Committed and with passion for precision we create digital reality solutions combining sensor, software, and autonomous technologies to empower a sustainable future.

We are seeking a talented and experienced **Senior BSP (Board Support Package) Embedded Linux Engineer** to join our dynamic engineering team. In this position you will play a crucial role in the development, customization, and optimization of Linux-based board support packages for our embedded systems. You will collaborate with cross-functional teams to ensure seamless integration of hardware and software components, contributing to the success of our cutting-edge products.

We are based in Heerbrugg, canton of St. Gallen, very close to the border with Germany, Austria and Liechtenstein. Our office is surrounded by mountains and we take advantage of it by organizing hiking trips and other outdoor activities.

Senior BSP Embedded Linux Engineer (m/f/d) (Project Coordination)

Heerbrugg 🕐 **full-time**

What do we do here:

Develop and maintain next-generation Linux distribution:

- Designing, developing, and maintaining our Yocto based Linux distribution for embedded systems, ensuring high performance, stability, and security.
- Customizing and optimizing the distribution to meet specific hardware and application requirements including the update process.

Kernel Configuration:

- Configuring and optimizing Linux kernels for various embedded platforms.
- Debugging and resolving kernel-level issues, collaborating with the broader development team.

We offer

- Flexible working hours based on a 40-hour week
- Vacation entitlement: 25 days from the age of 20, 27 days from the age of 40 and 30 days from the age of 50
- Annual salary incl. 13th month salary in November and a yearly bonus (depends on a revenue of the company)
- Bridge days after public holidays and at Christmas
- Individual training opportunities (internal and external)
- Multicultural and supportive environment
- Newest technologies
- Relocation support

Device Driver Integration:

- Developing, Integrating and optimizing device drivers for various peripherals and hardware components.
- Collaborating with hardware and application engineers to ensure seamless driver integration and functionality.

Board Bring-up:

- Leading the board bring-up process, working closely with hardware engineers to ensure successful system initialization.
- Troubleshoot and resolve hardware and software integration issues during the development phase.

Project coordination:

- Work closely with software developers, firmware engineers, and QA teams to deliver robust and high-quality embedded systems.
- Collaborate with cross-functional teams to define system requirements and specifications.
- Create and maintain detailed documentation for BSP development, configuration, and integration processes.
- Document issues, resolutions, and best practices for future reference.

Additional information:

- **Tech stack**: Linux Kernel and Device Drivers (C), Yocto/OpenEmbedded, Scripting Languages (Python, shell)
- Role consists of development (C or Python) 20-30%, integration 30-40% and project management 40 %
- Want to gain first insights of the products you are working on, then visit Leica Auto Pole AP20, Leica GS 18 or Leica Nova MS 60

This is you

- A relevant university qualification in computer science, mechatronic or electronic engineering
- Advanced embedded development skills (BSP, kernel and driver development, debugging)
- Experience porting & maintaining a Linux distribution for an embedded devices (Yocto, BSP, kernel and driver development), contribution to OSS is a strong plus
- Structured thinking and strong ability to diagnose hardware and software issues; Hands-on hardware bring-up, system debugging and code optimization
- Familiar in using git-based repositories and CI/CD systems
- Very good English skills (our main language of communication, we have 53 nationalities here)

About Us

Hexagon is a leading provider of digital reality solutions and employs more than 24,000 people in 50 countries. You will be part of a strong, experienced, inspiring and motivated team of experts driving the future of Hexagon. You will use and develop your skills in our highly innovative and diverse environment.

Flexible working models allow you to ideally combine work and private interests.

If you have any questions about our positions or our company, please do not hesitate contact Aga Gdowska, Talent Acquisition Specialist.

APPLY NOW

Leica Geosystems AG
Heinrich Wild Strasse
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Job-ID: 1ckpm8o3