



Senior Embedded Linux Engineer (f/m/d)

Zürich

Hexagon Robotics is a division of Hexagon – a global leader in precision measurement. Established in 2025, Hexagon Robotics develops humanoid robots for industrial sectors to address labor shortages and enable the transition from automation to autonomy. The first humanoid product, AEON, was launched in June 2025 and combines agility, awareness, spatial intelligence and versatility to provide a market-leading solution for automotive, transportation, aerospace, manufacturing, and logistics customers.

We are looking for an **Senior Embedded Linux Engineer** to design and develop robust, scalable software running on embedded Linux, working close to the hardware and collaborating across multi-disciplinary teams to bring our humanoid robots from prototype to production.

Your Mission

- Design, develop, test, and maintain embedded Linux software for Aeon, Hexagon's humanoid robot
- Work closely with robotic algorithms experts and electrical engineers
- Work in a multicultural and interdisciplinary environment developing a novel robot from prototype to serial production
- Active and hands-on participation with system integration and testing on real

Your Skillset

- BSc/MSc in Software Engineering, Computer Science, Robotics, or a related technical field
- 5+ years of professional experience in software development using modern C++, C, Python and Shell
- Hands-on experience with cross-compilation, dependency management and packaging tools for embedded software

hardware

- Team-oriented, problem-solving and creative thinking to push boundaries of cutting-edge technologies
- Being part of an R&D division with startup spirit in a globally active company: we work in an iterative fashion to solve complex real-world problems at the frontier of robotics
- Proficiency with Linux development in an embedded context, including device drivers, kernel configuration and build systems such as Yocto or Buildroot
- Experience with the Nvidia Jetson BSP is a bonus
- Experience implementing embedded security features, including secure boot, kernel and driver signing, encrypted file systems and secure key storage
- Familiar with low-level hardware communication (SPI, UART, I2C) and industrial protocols such as EtherCAT and CAN
- Deep knowledge of network protocols and experience developing and debugging distributed applications
- Familiar with CI/CD integration for embedded software
- Knowledge of ISO/IEC compliance standards relevant to embedded robotic systems is a plus

What You'll Get

- Flexible working hours and a hybrid model for real work-life balance
- Generous vacation: 25–30 days depending on age
- CHF 500 mobility credit for sustainable commuting
- Bonus system & strong pension contributions
- Tailored training & development opportunities
- Relocation support for a smooth start
- Discounts on health, mobility & entertainment
- Team events and a flat hierarchy where your voice counts
- A warm, international culture built on respect and collaboration

Great robots need great people.

Apply Now

Contact

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