



Senior Robotics Engineer (f/m/d) – Systems and Applications

100% Zürich

Hexagon Robotics is a division of Hexagon – a global leader in precision measurement. The division develops humanoid robots for industrial sectors to address labor shortages and accelerate the transition from automation to autonomy. Our first humanoid, AEON, was launched in June 2025 and is already in pilots with five customers.

We are looking for a **Senior Robotics Engineer** with a versatile skillset, to design and develop robust mission-critical software for Aeon, Hexagon's humanoid robot.

Your Mission

- Build the tools and systems that require bridging across different robotics specializations
- Use a pragmatic approach to quickly explore, validate and integrate various technologies
- Combine low-level robotics subsystems into valuable behaviours that can easily be adapted and deployed by our Field Application Engineers

Your Skillset

Must have:

- Strong fundamentals in Modern C++
- Comfortable working in CMake and Python
- Production experience with multiple domains of robotics subsystems
- Passion for developing simple, robust software to solve complex problems
- Hands-on and persistent: have an idea and bring it all the way to production

- Work closely with specialized teams ensuring the subsystems fulfill the needs of the behaviour
 - Implement and maintain integration tests for regression testing on behaviour level
 - Work in a multicultural and interdisciplinary environment developing a novel robot from prototype to serial production
 - 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
- Motivated to learn new systems and be at the cutting edge of industrial robotics
- Experience with any of the following is an advantage:**
- Developing and maintaining a complex codebase with high reliability requirements
 - Wider exposure to a robotics software stack, from build systems to image pipelines
 - Soft or hard realtime systems, distributed systems and HPC
 - Experience with Catch2 or gtest
 - ROS2 basics: record, replay, subscribe, publish, visualise

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

David Rank

Senior Recruiter / HR Generalist

E-Mail: david.rank@hexagon.com

Hexagon Robotics

Räffelstrasse 26, 8045 Zürich

<https://robotics.hexagon.com/>

