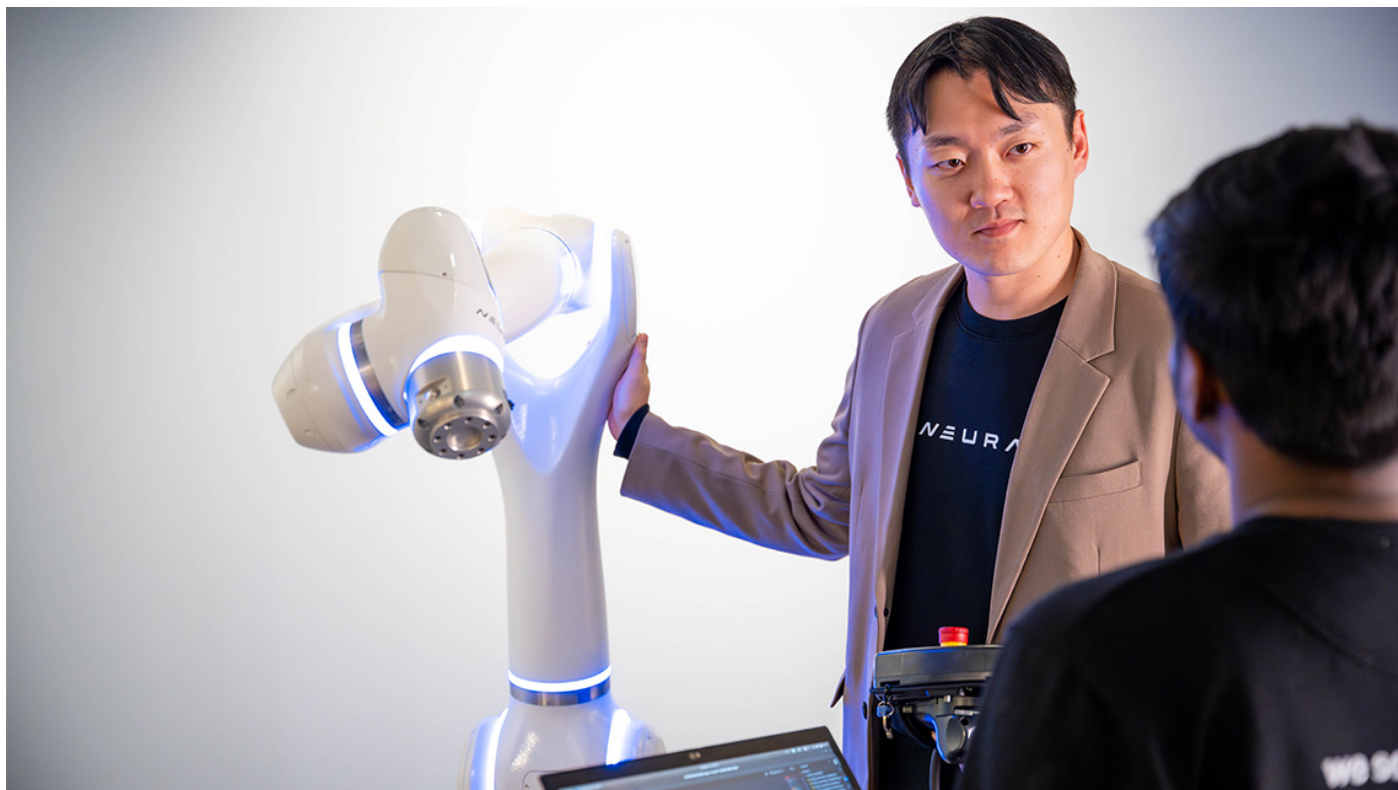




Welcome to **NEURA Robotics**, the innovator of the robotics world. Our goal is to equip collaborative robots with groundbreaking cognitive capabilities to enable safe and intuitive collaboration with humans. Under the leadership of founder David Reger, we have spent the first years of **NEURA Robotics** laying the foundations for humans and robots to work hand in hand.

"We serve humanity" is not just a motto, but our mission. Become part of our ambitious, international company and shape the future of robotics with us.

Welcome to **NEURA Robotics** - where innovation meets team spirit.

Your mission & challenges

A lead software developer for DDS-based middleware in robotics is responsible for designing, developing, and leading the core middleware communication systems that enable seamless, real-time interaction between robotic components, IoT devices, and higher-level software. The role demands expertise in C++, Python, ROS/ROS2, FastDDS or other DDS implementations, and strong knowledge of real-time communication protocols as well as hands-on experience with robots and IoT devices.

- Architect and implement DDS-based middleware, ensuring robust, scalable, and real-time data exchange for robotic and IoT systems.
- Design, develop, and optimize core frameworks and software libraries for middleware infrastructure, supporting autonomy, perception, and control subsystems.

- Lead and mentor a team of engineers, promoting best practices in software development and integration for robotics.
- Collaborate with cross-functional teams (hardware, perception, controls) to define requirements, debug system-level issues, and achieve reliable distributed system performance.
- Manage integration and deployment of middleware frameworks such as ROS/ROS2 with DDS (e.g., FastDDS), ensuring compatibility and real-time QoS.
- Contribute to toolchains and CI/CD pipelines for rapid development, testing, and release of robotic middleware solutions.
- Evaluate and select appropriate industrial protocols for communication (MQTT, OPC-UA, DDS) depending on system requirements like latency, reliability, and scalability.

What we can look forward to

- Advanced proficiency in C++ and Python for system development and infrastructure scripting.
- Deep understanding of DDS (Data Distribution Service) and practical experience with a variant like FastDDS.
- Expertise with ROS and ROS2 middleware, including integrating custom DDS implementations as ROS2 backends.
- In-depth knowledge of real-time communication protocols and distributed systems in robotic and IoT domains.
- Significant experience working directly with robots and IoT device integration, including sensor and actuator frameworks.
- Familiarity with containerization, CI/CD, and development workflow automation.
- Strong problem-solving and debugging abilities for multi-platform integration and performance optimization.
- Good to have: knowledge of cloud native microservices
- Experience with middleware performance tuning and QoS policy management in DDS.
- Knowledge of security and access control in DDS-based robotic environments.
- Experience in industrial communication protocols and IIoT system integration.
- Leadership in high-performance team settings, especially in scaling and enabling development culture.

What you can look forward to

- Become part of an agile company, actively shape topics and benefit from flat hierarchies in a highly motivated team

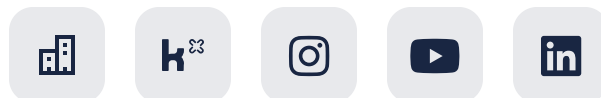
- Enjoy an attractive salary, flexible working hours and 30 days of vacation
- The freedom to contribute your own ideas and drive them forward
- Celebrate successes together with company events
- Take advantage of our corporate benefits program
- And even more fun with great colleagues

[Apply](#)

We are looking forward to meeting you and shaping the future of robotics together. Are you in?

Couldn't find a suitable position? Please send us an unsolicited application.

We are always looking for passionate tech enthusiasts to help us revolutionize the world of robotics!



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