

Cybersecurity & Privacy Specialist (Autonomous Mobile Robots - Software Engineering)

Your tasks

As a Cybersecurity & Privacy Specialist in Autonomous Mobile Robots ,you will play a crucial role in the design , development and implementation of Secure software systems for robotics platforms.

Responsibilities

- Develop well documented industry ready software modules and libraries predominantly for ROS2 with best practices.
- Write efficient and robust secure code in programming languages such as C++, Python and ROS for real time control and decision making.
- Design & develop State-of-the-art cybersecurity software solutions to secure robotics platforms.
- Test & validate the developed software modules in both simulation and in real robots.
- Develop Cybersecurity software platform solutions for efficient delivery and optimized resource utilization.
- Stay updated with latest developments in robotics software, machine learning, computer vision, threats and incorporate the new techniques and mitigations into the development process.
- Support to implement strategies for fostering and improving the Cybersecurity and Privacy culture and Maturity of Robotics platforms.
- Providing technical support during Cybersecurity audits and compliance assessments
- Co-ordinate and support Product Center during related Incident Response activities and Vulnerability Management activities.

Your profile

- University Degree in Computer Science/Information Security/Electrical Engineering with a deep focus on security, or Comparable qualification,
- Proficient in at least 1 programming/Scripting language such as C, C++, Java, Python or similar.
- Has overall at least 5+ years of relevant working experience.
- Excellent problem-solving skills and the ability to design creative solutions to complex security challenges.
- Good understanding of architecture design principles is highly desirable.
- Good Knowledge and Working experience on Cybersecurity Threat Analysis & Risk Assessment (TARA), design and Implementation of security Controls is a plus
- Good knowledge of system architecture and requirements with security and privacy aspects is plus.



Job ID
REF43476Y

Field of work
Engineering

Location
Singapore

Leadership level
Leading Self

Job flexibility
Hybrid Job

Legal Entity
Continental Automotive Singapore Pte. Ltd.

- Good knowledge of engineering processes, Secure Coding Practices , Product Life Cycle Management is plus.
- Good understanding of Hardware design ,architecture and development is a plus.
- Good understanding of Software design ,architecture and development is plus.
- Having Industry certifications such as CISSP, CCSP, or equivalent is a plus
- Experience in collaborating with cross-functional teams and managing security projects.
- Self-driven, possesses strong desire to learn new technologies and willingness to share knowledge with the team.
- Mobility to collaborate creatively in international teams

Our offer

Ready to drive with Continental? Take the first step and fill in the online application.

About us

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2022, Continental generated sales of €39.4 billion and currently employs around 200,000 people in 57 countries and markets.

The Automotive group sector comprises technologies for passive safety, brake, chassis, motion and motion control systems. Innovative solutions for assisted and automated driving, display and operating technologies, as well as audio and camera solutions for the vehicle interior, are also part of the portfolio, as is intelligent information and communication technology for the mobility services of fleet operators and commercial vehicle manufacturers. Comprehensive activities relating to connectivity technologies, vehicle electronics and high-performance computers round off the range of products and services.