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

工作职责

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.
- Proving technical support during Cybersecurity audits and compliance assessments
- Co-ordinate and support Product Center during related Incident Response activities and Vulnerability Management activities.

你的档案

- 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.

职位号码
REF43476Y

工作职能
工程

所在地
新加坡

领导力级别
Leading Self

工作场所灵活度
Hybrid Job

法律個體
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

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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.