(Senior) Specialist Automotive Security & Privacy

Your tasks

The Product Cybersecurity & privacy office (PCSO) is part of Software and Central Technologies (SCT) in Continental, supporting all business units of Continental. Challenges range from managing projects, engineering requirements, designing automotive architectures and systems, ensuring secure SW development, specifying, and conducting (penetration-) tests as well as defining and ensuring quality in engineering processes overall Continental.

Job Description:

We are looking for a creative and highly motivated Automotive Security and Privacy Specialist to lead research and innovation projects in the field of automotive cybersecurity and privacy. This role is driving and implementing advanced security and privacy solutions for automotive systems.

Key Responsibilities:

• Conduct research on emerging automotive cybersecurity and privacy trends. e.g., embedded security in High-Performance computing (HPC) for car, Post Quantum cryptography, privacy enhancing technology etc.

• Drive and develop innovative proof of concept (PoC) related to automotive security projects.

• Capable to deliver Invention disclosures/patents and presentations at conferences/industry events.

• Collaborate with internal and external stakeholders on automotive cybersecurity and privacy research initiatives

Your profile

• PhD/master's degree in computer science, Electrical Engineering, or a related field, with a deep focus on cybersecurity, or a similar qualification

• Strong understanding of embedded/automotive system security concepts (e.g., Trusted computing, Intel SGX, ARM Trustzone, hardware security modules (HSM) etc.)

• Familiar with at least one fields in embedded system security (but not limited to), e.g., high performance computing, post quantum cryptography, privacy enhancing technology, IoT security etc.

• Experience in driving and implementing innovative security and privacy solutions.

• Advanced programming skills: C, C++, Python.

Job ID
REF22335A

Field of work
Engineering

Location
Singapore

Leadership level
Leading Self

Job flexibility
Hybrid Job

Legal Entity
Continental Automotive Singapore Pte. Ltd.

• Excellent communication and presentation skills.

• Excellent problem-solving and analytical skills

Our offer

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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 2020, Continental generated sales of €37.7 billion and currently employs more than 192,000 people in 58 countries and markets. On October 8, 2021, the company celebrated its 150th anniversary.