Senior Embedded Software Engineer – ADCU QNX runtime environment

Jūsų užduotys

In the Budapest Artificial Intelligence Development Center of Continental, Autonomous Mobility, we create next generation automotive software solutions which make automated driving safe and affordable. We work towards Vision Zero, a goal to eliminate fatal accidents happening every day on the world's roads. We are looking for creative minds who are passionate to shape the future of automated driving by delivering world-class perception and fusion systems.

Our teams develop a modular and scalable Engineering Platform and Ecosystem, a reliable foundation for a wide range of ADAS functions (automated parking, safety systems, cruising functions - more details on https://www.xelve.ai/). It covers scalable data pipeline development, datalake implementation, software platform development and CI/CD solutions as well.

The "Automated Driving Control Unit" (ADCU) is the brain of the car which provides a platform to host a wide range of functions needed for assisted and automated driving functionalities. The main task is the development, integration and optimization of SW components on QNX operating system.

- Development of embedded software components based on QNX (BlackBerry)
- Integration of QNX drivers, middleware, and applications
- Porting and adapting software to specific hardware platforms
- Conducting system analyses, performance optimizations, and debugging
- Development of safety-critical applications in compliance with functional safety standards (e.g., ISO 26262)
- Collaboration with hardware, test, and systems engineers
- Creation of technical documentation

Reikalavimai

- University degree (BSc, MSc, PhD) in a technical area: Computer Science, Electrical Engineering or related
- Solid knowledge of C/C++ for embedded systems
- Knowledge of developing multithreaded and real-time applications
- Experience with RTOS, POSIX, IPC, driver development, and memory management
- Knowledge of build systems (e.g., Make, CMake) and version control
- Understanding of hardware-level programming and system architectures
- Independent and structured working style
- Teamwork and strong communication skills
- Problem-solving skills

Darbo ID
REF85109Z

Darbo sritis
Informacinės technologijos

Vieta
Budapest

Lyderystės lygis
Leading Self

Darbo laiko lankstumas
Hybrid Job

Juridinis asmuo
Continental Autonomous Mobility Hungary Kft.

- Willingness to learn new technologies

Nice to have:

- Experience with QNX Neutrino RTOS, especially BSPs, QNX Momentics, and QNX SDP
- Experience in automotive projects (e.g., AUTOSAR, ISO 26262)
- Experience with diagnostic systems, CAN, Ethernet, etc.
- Knowledge of scripting languages (Python, Bash)

Mes siūlome

- Competitive compensation and a wide range of benefits, including:
  - Bonus system
  - Annual flexible benefit (Cafeteria)
  - Private health insurance
  - Employee discounts
  - Sport pass support
- Continuous development with access to numerous trainings, including technical skills, soft skills and language skills
- Personal career development and a challenging role with end-to-end responsibility
- Opportunity to see your ideas turn into reality with our test vehicles
- Ability to directly deliver software into real, innovative products
- Easily accessible office location in downtown Budapest (near Kálvin square).

Ready to take your career to the next level and join us at the start of something extraordinary? Apply now to become a part of AUMOVIO and drive the future mobility together with us!

Apie mus

Continental's Automotive group sector is expected to be listed as independent company "AUMOVIO" in September 2025. With ~93,000 employees worldwide and annual sales of ~€20 billion, we are entering an exciting new era.

AUMOVIO stands for highly developed electronic products and modern mobility solutions. In addition to its strong market position with innovative sensor solutions, displays, and technologically leading braking and comfort systems, AUMOVIO has significant expertise in software, architecture platforms and assistance systems for the rapidly growing future market of software-defined and autonomous vehicles. Our purpose is clear: to make future mobility safe, exciting, connected, and autonomous.