

Software Developer C++ Algorithms in Autonomous Driving (m/f/x)



LOCATION
Cluj-Napoca



COMPANY
ARRK Research & Development
SRL



CONTRACT TYPE
Full-time



Form of Work
Hybride

WHAT TO EXPECT

- Collaborative, agile environment where proactive communication and teamwork are essential, especially when working with international teams
- Hybrid working in home office and/or our location in Cluj-Napoca possible
- A structured, analytical mindset and strong problem-solving skills will help in understanding system behavior and improving performance.

YOUR TASKS

- Develop and optimize algorithms for advanced driver assistance systems (ADAS)
- Translate product and system requirements into clear software requirements and functional concepts
- Implement and integrate embedded software components in C/C++
- Design, implement, and execute software tests (unit, integration, and functional tests)
- Support and coordinate HiL and vehicle testing together with international teams
- Analyze test results and logs to identify issues and improve system performance
- Contribute to agile development processes, progress tracking, and continuous improvement
- Support development of internal tools (e.g. for testing, analysis, automation) using Python
- Explore and apply modern technologies such as AI-assisted development tools (e.g. Claude Code) to improve productivity

YOUR PROFILE

- Degree in Computer Science or a closely related field (e.g. Software Engineering, Informatics, Applied Computer Science)
- 2–3 years of experience in software development (preferably embedded systems)
- Strong programming skills in C/C++
- Good knowledge of Python, ideally for tooling, scripting, or automation
- Initial experience with AI-assisted development tools (e.g. GitHub Copilot or Claude Code) or strong interest in AI-supported workflows
- Basic knowledge of AUTOSAR (Adaptive AUTOSAR is a plus)
- Strong analytical and problem-solving skills
- Proactive, structured working style and willingness to learn
- Good communication skills and high proficiency in English

YOUR BENEFITS



Exciting projects



Flexible working
hours



Employee events



Attractive salary



Sports and
wellness offers



Hybrid work

APPLY NOW

ARRK Engineering is part of the international ARRK group of companies and specialized in product development. Within the ARRK group of companies we implement product developments from virtual

**CONTACT**

Alina Monica Suvei Sabau

recruiting_romania@ark-engineering.com

+ 40 (0) 364 434 463

[Privacy Policy](#)

development to prototypes and small series production.

For reasons of simplification, only the masculine form is used in this job advertisement. However, persons of any gender and any orientation are always meant equally.

Our job offer is equally directed at severely disabled persons and persons of equal status.