

# Software Engineer (Visualization Functions)

## Vaše náplň práce

We develop a camera-based surround view system as a driver assistance system. Four fisheye cameras provide video streams which are stitched together and reprojected to simulate a 3D environment. The created environment is used to support parking maneuvers and low speed visualisations in real time. You contribute as visualization developer to a highly motivated team with your ideas and innovations.

## Your Tasks

- Participate in project teams for development and application of surround view systems
- Development of visualization features with C++
- Development of software and tools for configuration and calibration
- Porting and optimizing of existing computer graphics functions and features
- Integration and application of computer graphics features
- Technical alignment with project team and customers
- Working in distributed agile development teams with state-of-the-art tools and development environments
- Contributing with own ideas to enhance the product.

## Váš profil

- University Degree or PhD in related field (e.g. computer science, software engineering) or a comparable qualification
- At least 4 years of specific experience in the field of ADAS systems or autonomous robots
- Advanced knowledge and practical experience in C++ and GTests
- Knowledge in computer graphics with OpenGL is an advantage
- Experience with image processing and parallel computing (OpenCL/OpenCV/CUDA) of advantage
- Solid background in camera systems and fisheye cameras
- Practical experiences in scalable architecture
- Experience and passion for agile working methods like Scrum or Kanban are beneficial
- Experience in embedded SW development (V Model) and related tools
- Very good knowledge of English, both written and spoken.

## Co nabízíme

### What We Offer

- Competitive compensation and a wide range of benefits, including:
  - Bonus system
  - Annual flexible benefit (Cafeteria)
  - Private health insurance
  - Employee discounts



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- 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)

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## **O nás**

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