About RideOnTrack

RideOnTrack is a fast-growing company that develops operational communication systems for mission-critical networks. Our products and services are used by customers for whom telecommunication is an essential part of their day-to-day operations, including railways, police, public safety, disaster relief, and more. We are technology frontrunners and offer solutions such as Dispatching, IoT edge computing, Gateway solutions, Voice Recording & playback, and Digital Mobile Radio (DMR).

Our team consists of talented and passionate individuals who translate specific requirements of our customers into solutions based on the latest state-of-the-art technology. As part of our growth strategy, we are seeking an experienced and highly motivated IoT R&D Engineer to join our team in developing our new Condition-based Maintenance Platform for Railway Infrastructure.

IoT R&D Engineer

Responsibilities

- Collaborate with the R&D team to design, develop and implement IoT solutions for our Condition-based Maintenance Platform
- Contribute to the integration of hardware and software components of the IoT system, including sensors, devices, gateways, and cloud-based data platforms
- Handle the collection, structuring, and transport of large volumes of data generated by IoT devices
- Develop and optimize cloud-based data processing systems
- Apply AI and ML models and techniques to enhance the capabilities of our IoT system
- Implement cybersecurity measures and best practices across the IoT system
- Ensure all IoT solutions are tested, reliable, scalable and adhere to company and industry standards
- Participate in the development of product roadmaps and strategic planning
- Prepare technical documents and specifications
- Provide technical support to customers and colleagues as required

Profile

- University Master degree in a relevant field, such as Computer Engineering, Computer Science, Information Technology, or related disciplines. PhD profiles are also welcome
- 5+ years of experience in IoT systems development is a plus, but new graduates will also be considered
- Proven experience with programming languages like C++, C#, Java, and Python
- Familiarity with IoT hardware and software, data collection and structuring, and cloud-based data processing
- Experience with software development tools, such as Git, JIRA, or Visual Studio
- Knowledge of software development methodologies, such as Agile or Waterfall
- Good understanding of AI and ML models and techniques relevant to IoT systems
- Excellent problem-solving and analytical skills
- Strong organizational and time-management skills
- Able to work in a highly complex and international environment
- Excellent communication and interpersonal skills in English and Dutch, both written and verbal (French is a plus)
- Passion for learning and continuous improvement

Our offer

- Be part of a growing scale-up company, with career growth opportunities
- Work in an inspiring/innovative environment at our offices at Cipal Innovation Centre in Geel, Belgium
- Have a strategic impact on the development and implementation of our IoT solutions
- Develop your skills and gain new experiences
- Above-market-level benefits and financial compensation
- Develop your career in an international environment

If you are interested in working for a fast-growing company at the forefront of technology, please submit your CV and cover letter. We look forward to hearing from you!