Position Description
Technical Product Manager – NVH Software
VI-grade

Purpose

The purpose of this key role is to facilitate the development, deployment and use of the VI-grade NVH Simulator software solutions, and drive the technical success of the NVH Simulator software solutions. This function and role is key to expanding the NVH Simulator technology use and capability, and will drive the accelerated success of the NVH Simulator technology and products.

Employment Function Summary

The Technical Product Manager will work closely with the software developers, and act as the voice-of-the-customer and domain expert for the development team. You will also interact with customers and users to understand use cases, needs and applications. The keynote of this role is the facilitating the development and delivery of high-value new capabilities and improvements in the NVH Simulator software, and enabling our customers to succeed in accelerating their product development process through virtual NVH prototypes.

Main Tasks

- Product Owner for all NVH Simulator software
  - Own, prioritize and maintain the software issue backlog
  - Writing user stories, capturing what is actually needed for customer requests and new features and capabilities
  - Supporting developers with technical-application guidance
- Running beta test program
- Work with 3rd party partners on technical implementations
- Coordinate with the other VI-grade software development teams to share and leverage technology
- Ensuring issues are validated and closed according to defined acceptance criteria
- Ensuring documentation complete for new functionality, and also ensuring that training materials are complete and updated
- Ensuring any needed development tools, processes and procedures are in place and functioning for the development and delivery of the NVH Simulator software suite of solutions
- Ensuring software is thoroughly tested, for each issue/feature as well as for overall real-world use cases
- Ensuring test case data is available for developers and testers
- Ensuring that demo data is available for software and new features
- Ensuring Sales and Application Engineers have the technical information and demonstration data they need to sell, promote and support the software
- Ensuring Level 3 technical support (deep technical support requiring development-level knowledge) is provided, directly or with the development team

Qualifications/Skills Required

- BS (MS preferred) in engineering or scientific field
- 5 years experience in automotive NVH is preferred
- Experience and familiarity with Agile software development methods is preferred
- Experience in Product Management or Product Ownership role
- Experience and familiarity with the automotive NVH design process
- Familiarity with advanced NVH techniques, e.g. source-path-contribution (transfer path analysis), sound quality, jury evaluation, hybrid experimental-analytical modelling
- Familiarity with NVH CAE techniques including FEA, SEA, CFD, MBD, 1-D modelling
- Familiarity with full-vehicle NVH instrumentation and testing, and familiarity with current NVH instrumentation, measurement and analysis best practices
- NVH-related experience and knowledge of electrified vehicle powertrains
- Strong written and oral communication skills

Location: Canton, MI; Europe; US (Remote)

Job Status: Full Time

Reports to: Director – NVH Solutions

We offer

The job will provide you with an opportunity to further your career alongside some of the best and most passionate technology experts from around the world in a leading company within the automotive simulator industry. You will be a key contributor who collaborates closely with colleagues from various business functions all over the world. You will be at the forefront of bringing game-changing technology to the NVH field.

Vi-grade has an innovation center in Udine, Italy, along with key technical personnel in other locations in Europe, Asia and the United States. You will be a key contributor who collaborates closely with colleagues from various business functions all over the world, in addition to working with the some of the largest automotive companies in the world.

Freedom to innovate with responsibility is the framework for VI-grade's employees. This allows for a good balance between work and family life and for constant development of professional and personal skills in an international and enjoyable working environment.

Our company – VI-grade

VI-grade is a leading provider of real-time simulation software and turnkey driver-in-the-loop simulators. Established in 2005, VI-grade delivers innovative solutions for streamlining the transportation vehicle development process from concept to sign-off in the automotive, aerospace, motorcycle, motorsports and railway sectors. With offices in Germany, Switzerland, Italy, UK, Japan, China, and the USA and a worldwide channel network of more than 20 trusted partners, VI-grade is a dynamic and growing company with a highly skilled technical team.

VI-grade is part of Spectris plc, the expert in providing insight through precision measurement. Spectris' global group of businesses are focused on delivering value beyond measure for all our stakeholders. We target global, attractive and sustainable markets, where growth and high returns are supported by long-term drivers. Precision is at the heart of what we do. We provide customers with expert insight through our advanced instruments and test equipment, augmented by the power of our software and services. This equips customers with the ability to reduce time to market, improve processes, quality and yield. In this way, Spectris know-how creates value for our wider society, as our customers design, develop, test and manufacture their products to make the world a cleaner, healthier and more productive place. Spectris is headquartered in Egham, Surrey, United Kingdom, the Company employs approximately 9,000 people located in more than 30 countries. For more information, visit www.spectris.com. For further information about VI-grade, please visit https://www.vi-grade.com