



(Senior) Innovation Engineer

We are looking for your experience and passion for developing new products and services for multi-Gigabit data communication systems for consumer electronics products such as smartphones or computers. While data communication at more than 10 Gbits/s is just starting to become widespread, we at BitifEye are already working on test solutions for upcoming standards generations.

Our software and hardware products complement the premium, high-speed electrical test instruments, e.g. oscilloscopes and data generators, provided by our global partner Keysight Technologies. Our combined test solutions allow in-depth product testing and characterization, a decisive step for evaluating and debugging new electronic products fresh from the drawing board. With your work, you can help international technology leaders debug and validate products with incredible new capabilities way before they are available on the market.

At our site in Boeblingen, Germany, a highly motivated R&D team develops advanced new technologies and enables innovations for leading-edge applications, e.g. the testing of digital interfaces and media/cables for the semiconductor, consumer electronics, and automotive industries.

We are searching a motivated and talented engineer to join our Innovation team and embark on an ambitious program to define the future of BitifEye's products and services. As innovation engineer, you are responsible for generating and evaluating new ideas and creating the proof of concepts that could lay the ground for future applications. You will be expected to identify technical areas of opportunity in which new software or hardware solutions such as advanced digitizer or flexible FPGA platforms, new technologies (e.g. AI, machine learning, quantum computing), new markets (automotive, wireless) or new fields of application can move our existing products forward or define completely new solutions. Occasional customer and academic/research contacts is part of this position, as well as contributing to industry standards committees, especially to technical working groups. The innovation engineer will work under the supervision of our scientist and R&D manager. After a successful proof of concept, the project will typically be transferred to our R&D team for implementation and product or service generation.

The innovation engineer will also work for BitifEye's daughter company HeartGo and contribute to the creation of products and services for fitness and health, e.g. mobile e-bike ergometers for applications such as safe and accessible cardiac rehabilitation at home.

Tasks:

- Propose and evaluate new ideas compared to today's state of the art
- Collaborate with internal and external teams to evaluate and generate proof of concepts
- Invent, design, and implement new software and hardware solutions
- Simultaneously manage multiple projects and tasks
- Occasional international business trips
- Contribute to industry standards committees

Requirements:

- Master's degree in software engineering, computer science, electrical engineer, data science, mechatronics, mathematics, physics or similar
- Min. 5 years of professional experience in software/hardware development
- Expertise in object-oriented programming, e.g. in C++ or C#
- Passion for technology and complex systems
- Open minded, result driven, agile, hands-on and dynamic personality
- Entrepreneurial, creative mindset and ability to think differently
- Appreciation of working with customers and peers in a diverse and multicultural environment
- Ability to execute complex analysis, and communicate summary recommendations to management
- Excellent interpersonal and problem-solving skills
- Not afraid to take on challenges that will test your capabilities and provides you opportunities to learn every day
- Fluency in English (spoken and written)
- Familiarity with remote control of test and measurement instruments such as oscilloscopes and/or control theory is a plus

BitifEye is a medium-sized company, well known throughout the industry as almost all leading consumer electronics and semiconductor manufacturers are among our customers. These technology drivers rely on BitifEye products for testing the high-speed data connections of products such as smartphones, tablets, gaming devices, and TV sets. Motivated, highly qualified, and satisfied employees are key to our success. The continuous search for the balance between the interests of our employees and our economic success is a core part of our philosophy. Within our international team, we foster a respectful, open, and casual atmosphere and offer challenging tasks to our team members.

If this appeals to you and you are keen to work with and contribute to state-of-the-art technology, please do not hesitate to send your application to hr@bitifeye.com.