

You're an important part of our future. Hopefully, we're also a part of yours! At B. Braun, we protect and improve the health of people worldwide. This is also our vision for research and development. You see complexity as an opportunity – and quality and sustainability are important criteria for your work. We would like to work with you on tomorrow's solutions. That's how we work to create sustainable healthcare – locally, in regions, countries and worldwide. Together. That's Sharing Expertise.

Software & System Test Engineer (f/m/d) Medical Solution

Reference Code DE HB6423-84339

The vision we are working for is a solution designed to support every step of the medication administration process. By proving a unique task based web application and intuitive wireless monitoring device, we will allow healthcare professionals to organize, manage and monitor the intra-venous therapy workflows in real time.

Our goal is to automate its workflow documentation and traceability providing the users a digital solution that truly supports them in their daily tasks and frees time to focus on patient care.

In this scope, we are searching for a Software & System Test Engineer (f/m/d) Medical Solution to work and take leadership within our R&D team of our Center of Excellence Active Medical Devices at our site in Puchheim near Munich.

In Puchheim, we have been developing products and solutions for the intensive care for more than 50 years. Our expertise ranges from patient monitoring systems to self-learning algorithms for controlling automated infusion administration.

Duties and responsibilities

- Development and documentation of test cases, test methods and use cases
- Define, implement, and place into operation of test interfaces and test infrastructure
- Software development for automated testing of system and software requirements
- Execution of software and system verification including documentation of the results in test reports and in the bug tracking tool
- Commission, evaluate and maintain automated regression tests
- Design, implement and validate software tools
- Check requirements regarding quality criteria and creation of test requirements

Professional competencies

- Bachelor/master/diploma in computer science / electrical engineering or a comparable subject
- Proven good knowledge of C/C++/C#, as well as good mastery of other programming and scripting languages (e.g., Python)
- Extensive hands-on experience in design, implementation, and testing of software
- Several years of professional experience in test development and automation in the embedded environment, ideally ISTQB
- Experience with interfaces and communication protocols (e.g., USB, UART, Ethernet, TCP/IP, OSI-Layer, CAN, WLAN, LoRaWAN)
- Knowledge of cloud-based web applications, technologies such as Docker and Kafka, as well as Gherkin syntax-based testing, (e.g., with Cucumber) desirable
- Experience in the field of active medical devices desirable

Personal competencies

- You are characterized by a structured, analytical, and solution-oriented way of working
- You can communicate effectively complex technical concepts and solutions
- You are self-motivated and you have a hands-on-mentality
- You have a passion for technology and a desire to continuously learn and grow
- You stay productive and capable of acting in critical situations
- You communicate clearly and responsibly in German and English

What we offer

Become part of a corporate culture that actively promotes constructive exchanges between colleagues, customers and partners. Work with us to improve people's lives in the long term. We can offer you interesting, varied tasks and excellent opportunities for advancement, as well as an attractive salary with extensive benefits, all within a dynamic family-owned company.

Your next step

Contact us

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