EMBEDDED SYSTEMS TEST ENGINEER
IN POTSDAM

B. Braun Miethke GmbH & Co. KG, based in Potsdam, is a joint venture between Aesculap AG - a subsidiary of the medical technology and pharmaceuticals manufacturer B. Braun Melsungen AG - and Christoph Miethke - founder and CEO of Christoph Miethke GmbH & Co. KG in Potsdam.

We work passionately on the development of innovative drug delivery products with the aim of fulfilling previously unmet or barely met requirements of users and patients.

We are looking for you as an Embedded Systems Test Engineer to drive forward the development and approval of our highly innovative medical products.

Would you like to work with us and inspire us with your commitment and passion? Help us to improve the quality of life of patients.

TASKS AND RESPONSIBILITIES

· Plan and execute software verification

· Perform unit, integration, and system-level software testing on embedded platforms

· Derive test cases directly from software requirements and architecture

· Verify software risk control measures linked to ISO 14971 risk management

· Ensure bidirectional SW item traceability between requirements, risks, test cases, and results

· Participate in design reviews, risk reviews, and software documentation audits

· Support change impact analysis and regression testing for integration and maintenance

EXPERTISE

· Strong understanding of embedded systems architecture

· Experience with microcontrollers and SoCs (ARM Cortex-M/A, etc.)

· Familiarity with device drivers, bootloaders, and low-level firmware

· Experience with black-box and white-box testing techniques

· Strong understanding of verification vs. validation in regulated environments

· Experience with test automation for embedded targets

· Knowledge of code coverage, boundary testing, stress testing, and fault injection

· Experience with SIL, HIL, and system-level testing

· Deep understanding of IEC 62304 software lifecycle processes

· Experience verifying risk control measures per ISO 14971

· Understanding of ISO 13485 quality management requirements

· Familiarity with FDA 21 CFR Part 820 and/or EU MDR software

· Experience supporting internal and external audits

NICE TO HAVE

· Git/ Gitlab

· Knowledge of real time operating systems (RTOS)

· Exposure to cybersecurity for medical devices (FDA guidance, IEC 81001-5-1)

OUR OFFER

· We offer you the opportunity to get actively involved and play a key role in shaping our product.

· You will work in a friendly and international team in a young company, supported by the strengths and expertise of two large companies.

BENEFITS

· Prospective permanent position in the attractive state capital of Potsdam which is in close proximity to Berlin.

· Flexible working time.

· Opportunity to gain additional qualifications and advance your career through job related training events.

PERSONAL COMPETENCES

· Ability and desire to work in a creative and ‚hands on' team environment

· Ability to work independently and be self-directed

· Experience in specifying software

· Strong documentation and writing skills

· Fluent in English, German skill is very nice to have

.

YOUR NEXT STEPS

Please send your application, preferably by e-mail, to
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If you have any questions do not hesitate to contact us!