

About Us

BD Kiestra is part of Becton Dickinson (BD), a medical technology company that operates globally. BD Kiestra develops and produces high-quality, innovative automated laboratory systems for medical bacteriological laboratories. By automating laboratories, large quantities of samples are efficiently processed to enable faster patient treatment.

Our mission is to advance the world of health.

Why Choose BD?

BD Kiestra is an innovative company with enthusiastic, dedicated colleagues who have strong ties with the entire organization. The company has a pleasant, informal atmosphere where, as an employee, you have the opportunity and responsibility to take initiative and use your creativity. We build machines that can save patients' lives by finding out earlier which medication helps!

Department

The R&D department consists of experienced electrical, software, and hardware engineers who are involved in developing new and improving existing BD Kiestra machines. Regularly, questions arise from customers that are initially answered by the Service Department and sometimes also by R&D.

Assignment Description

At BD Kiestra, we design and build advanced laboratory automation systems that must operate reliably across a wide range of configurations. This makes comprehensive testing both complex and resource-intensive.

To support more efficient and scalable testing, this internship focuses on building a virtual test environment that works with our simulated systems and enables automated testing of software applications—without relying on physical hardware. You will be responsible for setting up the automated testing environment and developing automated test scripts to validate software functionality across different configurations.

Core Activities

- Design and implement an environment that does automatic testing on simulated BD Kiestra's integrated systems;
- Develop automated test scripts for various software applications;
- Integrate automated test scripts with existing instruments simulators;
- Integrate test automation tools with the CI/CD pipeline;
- Collaborate with developers and test engineers to ensure realistic simulation of hardware-software interactions.



Interested?

Then send an email with your CV and motivation to willem.kaal@bd.com. We will respond to your application within a few days.

Contact

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