

Building an agile platform for web-based testing.

Scientific work is placing increased dependency on web technologies, with the web-browser being a key tool for certain activities. As DESY is providing an ever increasing number of services with web front-ends, it is becoming important to build a robust, agile platform for testing these services.

This project involves building a Proof of Concept testing platform using industry standard technologies, including Selenium Grid, Kubernetes and Linux. Depending on progress, also help demonstrate cross-platform testing (Windows and MacOS), and also help develop tests that take advantage of this platform to verify that services are running correctly. Such tests can then be integrated in to DESY's testing infrastructure.

Through this project, you will gain experience in key industry technologies, including CI/CD pipelines, acceptance and functional testing, and various web technologies.

[100% Computing]

Field

B6: Computing

DESY Place

Hamburg

DESY Division

FH

DESY Group

IT

Special Qualifications:

Linux experience greatly appreciated. Programming experience (e.g., Python) may be helpful.

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