

Gabriel Diegel

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Born: December 20, 1982
Nationality: German

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Current position

QA Engineer, Tekton Labs, Lima, Peru

Skills

Programming languages

Java, Kotlin, Groovy, Python, C#, R

Technologies

Spring Boot, Docker, JUnit5, Selenium Webdriver, Protractor, Maven, Git, GitlabCI, Jenkins, GoCD, Grafana, Tableau, Ansible, Kubernetes

Experience

2019-
current

QA Engineer Tekton Labs, Lima, Peru

- Developed automated acceptance test suite for new CMS
- Extended DEVOPS tooling to support acceptance testing in deployment pipelines
- Improved test execution framework by introducing asynchronous execution
- Consulted on best practices for test automation

2018-2019

Senior Test Engineer 1&1 Internet SE, Karlsruhe, Germany

- Developed modular test strategy and tooling for web-based frontend tests
- Developed and supported strategy and framework for integrating functional acceptance tests into company-wide continuous delivery framework
- Planned, executed and analysed performance tests for next-gen backend store architecture and Single-Sign-On solution
- Advised on and implemented metrics and data gathering approach, analyzed and visualized data in Grafana
- Supervised theses of graduate students
- Lead test automation guild

2013-2018

Test Engineer 1&1 Internet SE, Karlsruhe, Germany

- Developed acceptance test suites in Java for broad range of backend services using protocols like HTTP, SMTP, IMAP and POP3

- Developed declarative framework in Java for HTTP-based API tests
- Developed RESTful web service for collecting metrics of deployed software artifacts

2010-2013

Test Analyst Atos Worldline GmbH, Frankfurt, Germany

- Analyzed and tested data reports drawn from large-scale customer data and transaction database
- Planned and executed manual acceptance tests, supported user acceptance tests with the customer
- Introduced test automation for functional acceptance tests
- Developed a python tool for test data management extracting data from mainframe database, filtering and automatically loading data sets into Oracle databases
- Introduced and administrated SVN server for QA team

2009-2010

Research Assistant Fraunhofer IPM, Freiburg, Germany

- Developed a software for an automated particle detection system in Matlab
- Integrated a fast hardware-based data acquisition system

Education

2009

Dipl.-Ing. (FH) in Electrical Engineering, Hochschule Karlsruhe, Germany

Thesis title: *"Development of an automated image analysis software for a fluorescence-based data acquisition system for the detection of airborne microorganisms"*

Certifications

- ISTQB Certified Tester: Foundation Level

Languages

- German: Native tongue
- English: Fluent
- Spanish: Fluent

Hobbies

Weightlifting, Writing, Cooking

Blog articles

2015

["Take your testing DSL to the next level with custom assertions"](#)

2016

["JUnit5-Feeble screams from forests well known"](#)

2017

["Using neo-problem with a pure Spring Boot service"](#)

2018

["Writing a custom test engine with Kotlin"](#)

2019

["Automated acceptance testing"](#)

2019

["Running acceptance tests on GitlabCI"](#)