

# Gabriel Diegel

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## Current position

Software Engineer, Tekton, Lima, Peru

## Skills

### Programming languages

Java, Kotlin, Groovy, Python, R

### Technologies

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

## Experience

- |              |   |
|--------------|---|
| 2019-current | <p><b>Software Engineer</b> Tekton, Lima, Peru</p> <ul style="list-style-type: none"><li>• Developed backend in Spring Boot for Peruvian client</li><li>• Developed automated frontend acceptance test suite and integrated with CI for US client</li><li>• Developed automated backend acceptance test suite for new CMS for US client</li><li>• Extended DevOps tooling to support acceptance testing in deployment pipelines</li><li>• Improved test execution framework by supporting asynchronous execution</li></ul>  |
| 2018-2019    | <p><b>Senior Test Engineer</b> 1&amp;1 Internet SE, Karlsruhe, Germany</p> <ul style="list-style-type: none"><li>• Developed modular test strategy and tooling for web-based frontend tests</li><li>• Developed and supported strategy and framework for integrating functional acceptance tests into company-wide continuous delivery framework</li><li>• Planned, executed and analysed performance tests for next-gen backend store architecture and Single-Sign-On solution</li><li>• Advised on and implemented metrics and data gathering approach, analyzed and visualized data in Grafana</li><li>• Supervised theses of graduate students</li><li>• Lead test automation guild</li></ul> |
| 2013-2018    | <p><b>Test Engineer</b> 1&amp;1 Internet SE, Karlsruhe, Germany</p>   |

- 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"](#)