

Gabriel Diegel

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Born: December 20, 1982
Nationality: German

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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>Software Engineer Tekton, Lima, Peru</p> <ul style="list-style-type: none">• Developed backend with Spring Boot for Peruvian bank• Developed automated frontend acceptance test suite and integrated with CI for US client• Developed automated backend acceptance test suite for new CMS for US client• Extended DevOps tooling to support acceptance testing in deployment pipelines• Improved test execution framework by supporting asynchronous execution |
| 2018-2019 | <p>Senior Test Engineer 1&1 Internet SE, Karlsruhe, Germany</p> <ul style="list-style-type: none">• 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 | <p>Test Engineer 1&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 with Spring Boot 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
 - Introduced test automation for functional acceptance tests
 - Developed a CLI tool in Python for test data management extracting data from main-frame database, filtering and automatically loading into Oracle databases
 - Introduced and administrated SVN server for QA team
- 2009-2010 **Research Assistant** Fraunhofer IPM, Freiburg, Germany
- Developed 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"](#)