

Gabriel Diegel

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Born: December 20, 1982
Nationality: German

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Currently

Software Engineer, Tekton, Lima, Peru

Specialized in

Software Development, Continuous Delivery, Automation

Skills

Programming languages

Java, Kotlin, Groovy, Python, R

Technologies

Spring Boot, Maven, Docker, JUnit5, Selenium Webdriver, Git, GitlabCI, Jenkins, GoCD, Grafana, Ansible, Kubernetes, PostgreSQL, InfluxDB, Azure

Experience

2019-
current

Software Engineer Tekton, Lima, Peru

- 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

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 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
 - 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

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"](#)