

Gabriel Diegel

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Currently

Senior Software Engineer at Tekton in Lima, Peru

Specialized in

Cloud-native Software Development, Continuous Delivery, Automated Acceptance Testing

Programming languages

Java, Kotlin, Python, Groovy, R

Technologies

Spring, Docker, Kubernetes, JUnit5, Git, GitlabCI, Jenkins, Helm, PostgreSQL, Maven, Gradle, Azure, AWS, GCP

Experience

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|--------------|---|
| 2021-current | Senior Software Engineer at Tekton in Lima, Peru <ul style="list-style-type: none">• Developed backend for US fintech with Spring Boot microservices, Google Pub/Sub, Kubernetes |
| 2019-2021 | Software Engineer at Tekton in Lima, Peru <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 |
| 2018-2019 | Senior Test Engineer at 1&1 Internet SE in Karlsruhe, Germany <ul style="list-style-type: none">• Developed modular test strategy, tooling and reporting 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 analyzed performance tests for next-gen backend store architecture and Single-Sign-On solution, implemented metrics and data gathering in InfluxDB, analyzed and visualized data in Grafana• Supervised theses of graduate students• Lead test automation guild |
| 2013-2018 | Test Engineer at 1&1 Internet SE in Karlsruhe, Germany <ul style="list-style-type: none">• 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 |
| 2010-2012 | Test Analyst at Atos Worldline GmbH in Frankfurt, Germany <ul style="list-style-type: none">• 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 mainframe database, filtering and automatically loading into Oracle databases• Introduced and administrated SVN server for QA team |
| 2009-2010 | Software Engineer at Fraunhofer Institute for Physical Measurement Techniques IPM in Freiburg, Germany <ul style="list-style-type: none">• Developed software for an automated particle detection system• Integrated a fast hardware-based data acquisition system |

Education

2025 B.Sc. in Psychology at Universität Hagen, Germany
2009 Dipl.-Ing. (FH) in Electrical Engineering at Hochschule Karlsruhe, Germany
Thesis: *"Development of an automated image analysis software for a fluorescence-based data acquisition system for the detection of airborne microorganisms"*

Projects

2016 [retryJ](#): A retry library for Java

Languages

German: Native
English: Fluent
Spanish: Fluent
Italian: Learning

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"](#)