

Gabriel Diegel

Email: gabriel.diegel@icloud.com

Github: <https://github.com/gdiegel>

Currently

Senior Software Engineer at LeagueApps

Specialized in

Cloud-native Software Development, Microservices, Event-Driven Architecture, Continuous Delivery

Programming languages

Java, Go, Kotlin, Python

Technologies

Spring, Spring Boot, Quarkus, Docker, Kubernetes, JUnit5, Git, GitlabCI, PostgreSQL, Maven, Gradle, Google Cloud Platform, AWS, Terraform

Experience

2023-current

Senior Software Engineer at LeagueApps in New York, US

- Lead architectural modernization efforts with new microservice-based backend
- Lead development of next-generation schedule import solution
- Designed and implemented event-driven state synchronization system
- Solved performance issues, making legacy endpoints up to 90% faster

2019-2022

Senior Software Engineer at Tekton in Lima, Peru

- Developed microservice-based backend for US fintech
- Implemented event-driven architecture

2018-2019

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

- 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-generation 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

- Developed acceptance test suites in Java for a 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 **Analyst at Atos Worldline GmbH** in Frankfurt, Germany
- Analyzed data reports drawn from large-scale customer data and transaction database
 - Developed a CLI tool in Python for data management, extracting data from mainframe database, filtering, and automatically loading into Oracle databases
- 2009-2010 **Software Engineer at Fraunhofer Institute for Physical Measurement Techniques IPM** in Freiburg, Germany
- Developed software for an automated particle detection system
 - Integrated a fast hardware-based data acquisition system

Education

- 2026 **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"](#)