

Gabriel Diegel

Email: gabriel.diegel@icloud.com

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

Professional Summary

Creative Software Engineer with 15 years of demonstrated experience in Software Engineering, Solutions Architecture, and Technology Leadership. Deep expertise in Distributed Systems, Microservices, Event-Driven Architecture, and Continuous Delivery. Highly motivated self-starter with a winning mindset and a bias for action.

Currently

Staff Software Engineer at Nearsure in Lima, Peru

Programming languages

Java, Go, Kotlin, Python

Technologies

Spring Boot, WebFlux, Quarkus, Echo, Docker, Kubernetes, Git, PostgreSQL, MySQL, Pub/Sub, Maven, Gradle, Google Cloud Platform, AWS, Terraform, Datadog

Experience

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|--------------|---|
| 2024-current | Staff Software Engineer at Nearsure in Lima, Peru <ul style="list-style-type: none">• Lead development of next-generation schedule import solution |
| 2023-2024 | Senior Software Engineer at Nearsure in Lima, Peru <ul style="list-style-type: none">• Lead architectural modernization efforts with new microservice-based backend• 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 <ul style="list-style-type: none">• Developed microservice-based backend for US fintech• Implemented event-driven architecture |
| 2018-2019 | Senior Software Development Engineer in Test 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-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 | Software Development Engineer in Test at 1&1 Internet SE in Karlsruhe, Germany <ul style="list-style-type: none">• 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"](#)