# Gabriel Diegel

Lima, Peru

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## Currently

**Senior Software Engineer** at **Nearsure** in Lima, Peru

## Specialized in

Cloud-native Software Development, Event-Driven Architecture, Continuous Delivery, Automated Acceptance Testing

## Programming languages

Java, Kotlin, Go, Python

## Technologies

Spring Core, Spring Boot, Docker, Kubernetes, JUnit5, Git, GitlabCI, PostgreSQL, Maven, Gradle, GCP, Azure, AWS, Terraform

## Experience

**2023-current** — **Senior Software Engineer** at **Nearsure** in Lima, Peru
- Solved performance issues for US-bases sports management company, making legacy endpoints up to 90% faster
- Spearheaded architectural modernization efforts with new microservice-based backend
- Designed and implemented event-driven state synchronization system

**2019-2022** — **Senior Software Engineer** at **Tekton** in Lima, Peru
- Developed microservice-based backend for US fintech
- Developed backend 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
- 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
- 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** — **Test Analyst** at **Atos Worldline GmbH** in 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 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
  ● 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"