Gabriel Diegel

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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, Go, Kotlin, Python

Technologies

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

Experience

2023-current — **Senior Software Engineer** at **Nearsure** in Lima, Peru
- Spearheaded architectural modernization efforts for US-based sports management company 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
- 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-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 **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

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"