Gabriel Diegel

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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, Elasticsearch

Experience

2024-current   **Staff Software Engineer** at **Nearsure** in Lima, Peru
- Lead development of next-generation schedule import solution
- Lead cross-team initiative building an Elasticsearch cluster

2023-2024   **Senior Software Engineer** at **Nearsure** in Lima, Peru
- 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
- 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
- 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
- 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"