

Jordi Jaspers

Software Engineer

Master graduate in Electronic & Software engineering, combined with 5+ years of professional experience in the IT industry and a passion for developing and discovering new technologies. Always striving to resolve issues and create new features as efficient as possible. Supporting code with enough test-driven design to ensure high quality solutions. Being involved the complete Software Development Life Cycle, including analysis, design, development, testing, implementation, support, and maintenance of enterprise-level web applications mainly using Java/Java EE.

Contact

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Github

github.com/Jordi-Jaspers

CodeWars

codewars.com/users/Jordi-Jaspers

Languages

Dutch 
Excellent

English 
Excellent

French 
Good

German 
Average

Professional Experience

2021-02 Medior Software Engineer

Current *Ilionx, Maastricht, Netherlands*

- Orchestrated efficient large-scale software deployments, including testing features and correcting code.
- Building enterprise grade software solutions using Java frameworks and test-driven design.
- Gathered and defined customer requirements to develop clear specifications for project plans.
- Reviewing code bases for bugs and weaknesses using approved troubleshooting methods, to prevent systems being exploited.

2013-04 Electrician

2014-08 *Electro Geenard, Gellik, Belgium*

- Planned layout and installation of electrical wiring, equipment and fixtures based on specifications and applicable code.
- Developed insight and skill about electrical circuits.

Certifications

Oracle Oracle certified SQL Developer

Coursera Oracle Database Design and Management

Coursera Advanced Micronaut & Spring development

Coursera Machine Learning Basics

VCA Safety on the Work floor

Hapkido Official Hapkido Trainer - 3rd Grade Black Belt

Coding Languages

Java	CSS
Golang	HTML
Python	SQL
Kotlin	Bash
Groovy	Haskell
Javascript	VHDL
Typescript	C++

Technologies

Liquibase	Jira
Git	Postman
Docker	Scriptrunner
Spring	Linux
Micronaut	Intellij
Grail	TailwindCSS
NextJs	Kubernetes
Keycloak	TimescaleD

Education

2022-09	Master's Thesis Electronic & Software Engineering
2023-07	Hanyang University - Ansan, South Korea
Courses:	Archimate Practitioner, Archimate Foundation, TOGAF L1, Concepts & Design, Implementation & Change.
2020-07	Master's Thesis Electronic & Software Engineering
2021-02	Hanyang University - Ansan, South Korea
Subject:	Inventing a framework for anomaly detection in the radio spectrum.
2019-09	Master of Science: Electronic & Software Engineering
2021-01	U Hasselt KU Leuven – Diepenbeek, Belgium
Courses:	OOP in Java, Compilers, Algorithms, Operating Systems, Data Structures, Docker, Advanced Mathematics, VHDL & FPGA programming.
2015-09	Bachelor of Science: Electronic & Software Engineering
2019-01	U Hasselt KU Leuven – Diepenbeek, Belgium
Courses:	Machine Learning 101, Signals & systems, Databases & structures, Digital systems, Functional Programming in Haskell, Software Design in C++, Unix Operating systems and Linux Distros, Chip-design, Telecommunication.

Volunteering Experience

Martial Arts Instructor, Sin Moo Hapkido Rekem, Limburg
Responsibilities:
<ul style="list-style-type: none">• 3rd grade - black belt instructor• Imparted key etiquette points, discipline, and respect.• Taught both core principles and fighting techniques to students of all levels.• Helped students prevent injuries and rendered calm and professional aid in case of accidents.

Project Examples

total: 17

HTTP-Requester

Vodafone-Ziggo

Java developer:

- Designing a Master-Slave node setup for communication purposes between servers.
- Setting up Automated load testing and monitoring for applications.
- Using java 21 and new spring boot 3 features.
- Multi-database persistence

DevOps:

- Design Kubernetes network for the master slave setup.
- Setting up load balanced database with replication.

Mitre-Upgrade

Vodafone-Ziggo

Java developer:

- Upgraded a custom SSO implementation and ensured its older capabilities.
- Removed security risks found during the upgrade.
- Cleaned-up / Refactored code during the upgrade for increased readability & maintenance.
- Bumping to Java 17 with new Gradle versions to keep software on the latest versions.

DevOps:

- Redesigned Liquibase environment to ensure a seamless migration to PRD.
- Added security measurements and checks in the CI/CD.
- Altered Jenkins so, the Liquibase redesign works on every environment (DEV, TST, ACC).

App-Billing (Formula 1)

Vodafone-Ziggo & Viaplay

Full-Stack:

- Orchestrated efficient large-scale software deployments, including testing features and correcting code.
- Design a flow to produce tokens which enables customers to authorize their payment to other streaming services (Netflix, Viaplay, ...)
- Integrated a Redis caching system to temporarily save JWT tokens in a secure way.
- Setup a Microservice from scratch without any issues.
- Supporting other parties to pursue seamless SIT and UAT transition.
- Configuring properties needed for the environment (SIT, UAT, PRD)
- Created & altered the design to cohere with the microservices of multiple squads of different companies.
- Made design decisions based on the specifications of the client.

Multi-factor Authentication

Vodafone-Ziggo

Java developer:

- Altering the usual authentication flows of our own custom SSO implementation.
 - Using Spring security to add authentication filters.
 - Integrating 3rd party tools to fetch IP & user agent data.
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- Adding 2FA with a "Remember me" function based on location and user data.

Test Engineer:

- Creating Integration test and unit test to handle all possible cases.
 - Using Cypress to test end-to-end cases with other parties.
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StateHistory-X*Vodafone-Ziggo***Java developer:**

- Maintaining the main monitoring tool an enterprise with a user base of 2 million or 9.7 million services.
 - Optimizing advanced database queries to gain performance.
 - Migrating to TimescaleDB (Time-series database) for more efficient time-based queries.
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