

# 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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### LinkedIn

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### Github

[github.com/Jordi-Jaspers](https://github.com/Jordi-Jaspers)

### CodeWars

[codewars.com/users/Jordi-Jaspers](https://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

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

## Technologies

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Liquibase	Jira
Git	Postman
Docker	Scriptrunner
Spring	Linux
Micronaut	Intellij
Grail	TailwindCSS

## Education

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<b>2020-07</b>	<b>Master's Thesis Electronic &amp; Software Engineering</b>
<b>2021-02</b>	<i>Hanyang University - Ansan, Seoul, Korea</i>
<b>Subject:</b>	<i>Inventing a framework for anomaly detection in the radio spectrum.</i>
<b>2019-09</b>	<b>Master of Science: Electronic &amp; Software Engineering</b>
<b>2021-01</b>	<i>UHasselt   KULeuven – Diepenbeek</i>
<b>Courses:</b>	OOP in Java, Compilers, Algorithms, Operating Systems, Data Structures, Docker, Advanced Mathematics, VHDL & FPGA programming.
<b>2015-09</b>	<b>Bachelor of Science: Electronic &amp; Software Engineering</b>
<b>2019-01</b>	<i>UHasselt   KULeuven – Diepenbeek</i>
<b>Courses:</b>	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

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**Martial Arts Instructor, Sin Moo Hapkido** | Rekem, Limburg

Responsibilities:

- 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.

## 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).

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## 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.

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## 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.
- 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

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.
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