

# Jordi Jaspers

## IT Consultant / Senior Software Engineer

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Master's graduate in Electronic & Software Engineering with over 5 years of professional experience as an IT consultant and software engineer. Possessing a deep passion for developing and exploring new technologies. My expertise includes implementing robust test-driven design practices to ensure high-quality solutions. I have been actively involved in the entire Software Development Life Cycle, encompassing analysis, design, development, testing, implementation, support, and maintenance of enterprise-level web applications, primarily utilising Java. Additionally, I hold degrees in enterprise architecture, further enriching my technical and strategic capabilities.

## Experience

Project Count: 17

### Consulting Manager / Senior Software Engineer - Ilionx, Maastricht, Netherlands    2024.09 - present

**Tech:** Java, Spring, Docker, Kubernetes, SQL, Keycloak, Jira, TimescaleDB, Oracle, Helix, Archimate

**Business Context:** Continue my contribution as software engineer whilst having the extra responsibility of leading and managing a team of 15 software engineers. Furthermore, designing new projects tailoring the clients needs.

#### Tasks:

- Led a team of 15 software engineers, ensuring project engagement and employee satisfaction.
- Oversaw recruitment, onboarding, and training of new engineers.
- Collaborated with clients to design and deliver tailored software solutions, ensuring alignment with business goals.
- Managed project timelines, client expectations, and team performance to ensure successful delivery.
- Continued hands-on contribution as a software engineer, leveraging expertise in full-stack development using Java, Spring, and other relevant technologies.

### Senior Software Engineer - Ilionx, Maastricht, Netherlands    2023.11 - present

**Tech:** Java, Spring, Docker, Kubernetes, SQL, Vagrant, VM, Keycloak, Jira, TimescaleDB, ElasticSearch

**Business Context:** Contributed to Vodafone's tooling team, developing and maintaining applications from scratch to enhance business processes and observability.

#### Tasks:

- Design new applications from scratch considering the current network architecture and security policies of the client.
- Implementing custom OAuth solution for federated authorization within the company.
- Maintain / Improve existing applications to ensure quality and security.
- Designed an application which observes all services within the landscape of the client.
- Designed a source system which automatically test services for their uptime and functionality.
- Maintain a well-connected multi microservice architecture.
- Apply data analysis on Big Data using a time-series Database (TimescaleDB)
- Load Balance applications and use HA Cluster setups to ensure service uptime.
- Setting up APM (Application Performance Monitoring) in existing applications using Jaeger, Prometheus, Grafana and micrometer.

## Medior Software Engineer - Ilionx, Maastricht, Netherlands

2021.09 - 2023.11

**Tech:** Java, Spring, Gradle, LDAP, Apache Studio, OAuth, OpenID Connect

**Business Context:** Designing and maintaining a custom SSO solution for a corporate telecom company which has a merged userbase of multiple companies of at least 5.6 million customers.

### Tasks:

- Design a SSO solution following the openID connect RFC specification.
- Maintaining the SSO and performing security patches.
- Introducing new features with 3th party companies linking our SSO.
- Fixing possible bugs and debugging using Kibana and ElasticSearch.
- Design a billing application to connect ViaPlay, Disney and Netflix subscriptions to the user's account

## Junior Software Engineer - Ilionx, Maastricht, Netherlands

2021.02 - 2021.09

**Tech:** Java, Spring, SQL, PlantUML, DB Designing tools, Confluence

**Business Context:** Supporting developers and improving experience with different code bases.

### Tasks:

- Improving knowledge concerning different code bases.
- Adhering best-practices in corporate code bases (KISS, SOLID, ...)
- Using design patterns in a corporate setting.
- Improving experience with data analysis and database design.

## Certifications

- |                    |   |
|--------------------|---|
| • Oracle           | Oracle certified SQL Developer                  |
| • Coursera         | Oracle Database Design and Management           |
| • Coursera         | Advanced Micronaut & Spring development         |
| • Coursera         | Machine Learning Basics                         |
| • Global Knowledge | TOGAF Foundation                                |
| • Global Knowledge | Archimate Foundation                            |
| • Global Knowledge | Archimate Practitioner                          |
| • VCA              | Safety on the Work floor                        |
| • Hapkido          | Official Hapkido Trainer - 3rd Grade Black Belt |

## Education

### Master's Thesis Electronic & Software Engineering

2020.07 - 2021.02

Hanyang University - Ansan, South-Korea

**Subject:** Inventing a framework for anomaly detection in the radio spectrum using Machine Learning.

### Master of Science: Electronic & Software Engineering

2019.09 - 2021.02

U Hasselt / KULeuven - Diepenbeek, Belgium

**Courses:** OOP in Java, Compilers, Algorithms, Operating Systems, Data Structures, Docker, Advanced Mathematics, VHDL & FPGA programming.

### Bachelor of Science: Electronic & Software Engineering

2015.09 - 2019.01

U Hasselt / KULeuven - 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.

# Coding Languages ---

Main development Stack: Spring Boot, Sveltekit, TailwindCSS, ShadCN

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