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

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 Perfomance Monitoring) in existing applications using Jaeger, Promotheus, Graphana 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 subcriptions 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 corperate code bases (KISS, SOLID, ...)
- Using design patterns in a corperate 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 Practicioner
- **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*
UHasselt | 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*
UHasselt | 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, Telecomunication.

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