

# Jeno De Keyzer

Freelance full-stack software developer

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## SUMMARY

Full-stack developer with 10 years of professional experience, ranging from enterprise software development to co-founding a successful and growing SaaS startup. My primary language has been Java, but I have worked extensively with modern frontend frameworks (Angular, React) and cloud technologies (AWS and Azure mainly). I actively leverage AI-assisted development tools to accelerate productivity while maintaining rigorous code review and quality standards. I learn fast and am not afraid to ask or answer questions with those around me.

## EXPERIENCE

### **Practle, [practle.io](#) — Partner & Lead Full-stack Developer**

2024 - PRESENT (*evenings & weekends while working full-time*)

Practle is a scalable, multi-tenant educational platform focused on personalized language learning, combining modular curriculum design, AI-driven feedback, and instructor-guided learning paths. Currently serving 2,600+ users across two major educational institutions.

#### Technical Contributions:

- **Frontend Development (100%)**: Built the entire Angular-based application with TypeScript and PrimeNG.
- **Backend Development (~90%)**: Designed and implemented the FastAPI RESTful APIs, authentication, and business logic in Python
- **Marketing Website (100%)**: Developed and deployed the Next.js marketing site with Sanity CMS integration on AWS Amplify
- **Database model (~50%)**: Collaborated on PostgreSQL database schema design and migration management using Sqitch
- **AWS Infrastructure**: Contributed to CloudFormation-based infrastructure including ECS Fargate, Aurora RDS, Cognito, S3, and SES
- **DevOps**: Implemented CI/CD pipelines with GitHub Actions and containerization with Docker

**Tech Stack:** Python, FastAPI, Angular, TypeScript, PrimeNG, PostgreSQL, AWS (ECS, RDS Aurora, Cognito, Amplify), Docker, Next.js, Tailwind CSS, Poetry, Cypress

## LANGUAGES

**Dutch** mother tongue  
**English** fluent  
**French** basic

## HOBBIES

Travel, going out, sports (cycling, running, hiking, ... open to try any sport really), games/board games

## SKILLS

## BACKEND

**Java** JDK21, Spring (boot), Spring Security, Hibernate, JPA, JUnit, Serenity, Hazelcast, Apache Camel, Log4j2, Logback, Mockito, Feign, JRebel (magic)

**Python** FastAPI, Poetry, SQLAlchemy, Pydantic, Pytest (production applications), REST API development

**Kotlin** personal projects

**Databases** PostgreSQL, MySQL, MariaDB, MSSQL

## Database Migration

**Tools** Sqitch, Liquibase, Flyway

## Debugging/monitoring

JProfiler, Prometheus, Spring Actuator, Grafana, Cloudwatch, Dynatrace

## FRONTEND

### Javascript/Typescript

Angular, React, Next.js (with Sanity CMS)

**Java** Vaadin, SmartGWT/Smartclient

## **Liantis, Bruges — Freelance full-stack developer**

MAY 2023 - PRESENT

At Liantis, I have helped create new applications from the ground up, introduced modern development practices, and shared my experience with the team(s). I gained deeper expertise in modern Angular projects for the frontend and microservices architecture in the backend.

### **Key Accomplishments:**

- Created internal tools for customer advisors to improve efficiency and reduce errors (Medical Follow Up, Absence Registration, RGA, Medical Planning tool)
- Assisted multiple teams requiring additional capacity
- Contributed to their new mobile app LIA
- Introduced Docker for local development where applicable
- Modernized testing phases in their GitHub CI pipeline using Cypress
- Made critical adjustments to reporting systems to ensure legal compliance using Jasper

## **Agilent Technologies, Ghent — Senior full-stack developer**

OCTOBER 2018 - MAY 2023

Genohm was officially acquired by Agilent in October 2018.

I worked on a LIMS system called SLIMS. My role in the team is a senior role. A short summary of what this entails:

- Work with the team in an agile way and make sure our codebase remains of a high standard.
- Lots of code reviews.
- Guiding more junior developers.
- Take responsibility for (a) feature(s) during new major version development.
- Tackling more complex tasks/bugs.
- Help out at customers that require R&D input with certain issues.
- Some devops work in the earlier days before we had a dedicated team.
- Be on the 'Cross Functional Committee' that decides what happens with new incoming defects (either customer reported or internal)

My role can be discussed/explained in more detail.

## **Genohm, Ghent — Senior Full-stack Java Developer**

OCTOBER 2015 - OCTOBER 2018

I started at Genohm right after I finished my VDAB course. Genohm was still in the startup phase and this allowed me to grow quickly both in knowledge and responsibilities.

## **OTHER/FRAMEWORKS**

Tailwind, PrimeNG, Angular material, internal design systems, Cypress

## **BUILD TOOLS**

Gradle, Maven, Poetry

## **CI**

Jenkins, SonarQube, Github Actions

## **CLOUD**

**AWS** ECS Fargate, RDS Aurora (PostgreSQL), Cognito, S3, SES, CloudFormation, Amplify, Lambda

**Microsoft Azure** Basic functionalities, [Azure Fundamentals Certified](#)

**Google Cloud** Some experimenting for personal projects and 2 services in Practle

**OVH** Bare metal VM for fantasy league project (inactive)

**Hetzner** Holds the server for serving fantasy league, stravats and jenodk.com

## **OTHER**

Git, Kafka, RabbitMQ, Docker, REST, Authentication Security (oAuth, OpenID Connect, SAML2)

## **OS**

Mac, Windows, Linux (Debian, Centos)

## **SOFTWARE**

IntelliJ, VS Code, Cursor (Pro sub), Jira, Confluence, Github, Figma, Docker desktop, Microsoft suite, Jasper...

The first year I worked on our LIMS system called SLIMS where I mostly fixed defects and worked on new features.

Then I was put on another project for a specific customer where I also got the chance to take on the role of lead developer for the project to replace our then lead developer who was away on a 4 month paternity leave.

## Night shift worker at Volvo Trucks, Ghent

2013 - 2014

To earn some money while trying to figure out what to do next, after 7 months I decided to quit and apply for the VDAB course.

## Student jobs

Almost every summer from the age 15-20

Since I don't want to clutter the CV feel free to request more details about this.

## EDUCATION

### VDAB — *Enterprise Java Developer* 2014 - 2015

Speed course to learn the industry relevant java skills to be able to apply for a job as soon as possible

### KAHO industrial engineer, Gent— 2013 - 2014

### UGent/Sint-Lucas Architecture, Gent— 2010 - 2012

### Latin-mathematics, Zelzate — ASO 3de graad 2004 - 2010

## PROJECTS

## Personal projects

### Fantasy league ([link](#))

The initial idea was to create a simple app to replace a spreadsheet my friends and I were using to do some predictions during the world cup football.

It quickly evolved to a full blown web application where I also took care of deploying and hosting it.

The app had around 60-80 users (colleagues, friends, friends of friends) and was also maintained for every competition and during one.

- FIFA World Cup 2018: Java 8 with Vaadin 8 and deployed on a VM owned by my employer of the time

- UEFA Euro 2020: Java 11 with Vaadin 14 and deployed on AWS
- FIFA World Cup 2022: Java 11 with Vaadin 14 but deployed on a bare metal server from OVH (a lot cheaper compared to AWS for what I needed)

### **Bracket selection ([link](#))**

An IntelliJ plugin I developed and maintain that has around 3.500 downloads, more info [here](#).

This was a feature I used a lot while still working with Eclipse IDE and missed in IntelliJ.

### **jdump ([link](#))**

A small CLI written in python to easily handle SQL dumps across different projects.

I wrote this pretty early on in my career as I kept forgetting the commands and my dumps were all over the place.

### **JBehave Support ([link](#)) - maintainer**

A widely used plugin for IntelliJ IDE (160.000 total downloads).

While working for Agilent I used this plugin in our project and noticed some issues with it. I made a ticket and also tried to solve it myself by adding a PR to it.

The PR was approved and merged but no new version was released so I contacted the owner of the repo to see if I could help out and that's how I also became a maintainer who is able to approve PR's and release new versions.

### **Strava stats ([link](#)) - work in progress**

I use Strava a lot but found it difficult to find back activities from the past so I decided to try to do this myself.

By using the [Strava API](#) and a React frontend the app provides a more extensive way of filtering through your activities.

It even has support to find back activities based on a location on the map, f.e. the activity was within 5km of MyVacationAdress 10 city in Italy.

### **Contributions**

When I encounter an issue in a framework or project I make a defect on their github page but also try to solve it myself (if their contribution guidelines are well described) by attaching a PR even if it's just adding some more documentation.