

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 Practile

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.