



Wout Deleu

Java Consultant

📍 Gent, Belgium

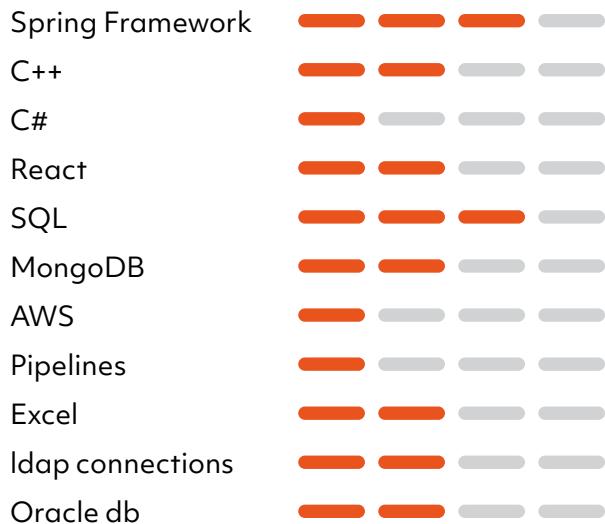
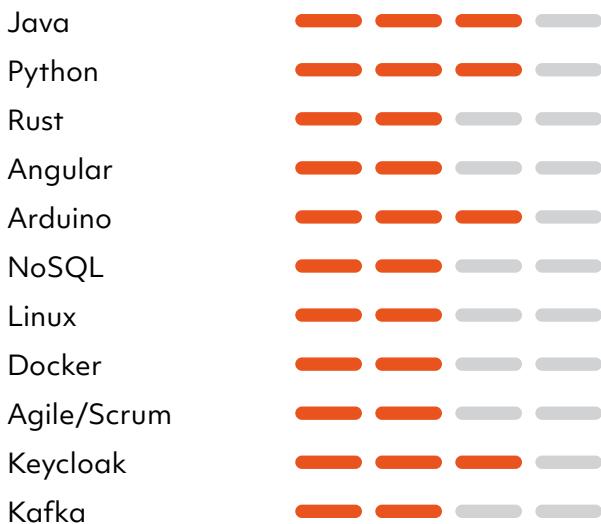
📅 13/12/2001

I am an **analytical thinker**, with a penchant for **structured problem-solving**. My determination and enthusiasm led me to achieve a notable milestone in the *CyberSecurity Challenge Belgium*, where I reached the finals, showcasing my strong analytical and problem-solving skills. Additionally, my enthusiasm for **algorithmic thinking** was evident through my academic pursuits, excelling in related coursework during my university years. My commitment to **structure and orderliness** extends beyond my academic achievements. It manifests in the code I write, always striving for uniform and structured solutions to challenges. This dedication also reflects in my meticulous planning and my ability to keep things organized, both in professional and personal contexts. As a **tenacious person**, I channel this drive not only into my continuous pursuit for **self improvement**, for example following the *Badminton Trainer B* course, and my pursuit of endurance challenges like half marathons but also into personal projects, such as setting up my own server, developing scripts, creating a personal website and getting certificates.

While I have a strong preference for **backend development**, I also find **full-stack development** almost equally enjoyable. My academic background, enriched by the *AXXES Traineeship*, has equipped me with a wealth of theoretical knowledge, which I am eager to apply to real-world challenges. I have proactively engaged in personal projects and took on holiday jobs to translate my academic insights into practical solutions.

Beyond my professional interests, my free time is filled with engaging in various activities. I have a competitive edge in badminton, playing at a Flemish level, and I hold a diploma as a trainer. Currently I coach 3 top players individually, I also assist training the West-Flemish talent team Open Elite, and weekly train groups in the biggest club in Belgium, 'De Pluimplukkers', and some other clubs. Now, I personally. Additionally, I maintain a passion for various sports such as running, swimming, and calisthenics, ensuring a balanced and active lifestyle.

Skills



Projects



Volvo Cars Belgium

Software Developer

05/2024 - Present

As a part of the Developer Experience Team, we develop software utilized by other teams, creating common tools and components primarily using Java with the Spring Framework and Angular. However, my role extends beyond coding common components. We are also responsible for setting development standards, assisting with Kafka-related issues, maintaining and migrating specific codebases, and even handling DevOps tasks such as managing pipelines and writing bash scripts. This multifaceted position allows me to contribute across various areas, ensuring smooth and efficient development processes within the organization.

The team was newly formed within the organization, operating without a PM, PO, or Scrum Master. Recognizing the need for structure, I took the initiative to enhance our workflow—introducing retrospectives, improving team organization, and fostering a more efficient and collaborative development process.

One of my key focus areas was developing a Keycloak Integration Tool, enabling management to seamlessly evaluate, configure, and oversee the authorization system across all Volvo plants. This was a project I led from the ground up—starting with gathering requirements, designing the architecture, and driving both front-end and back-end development. By streamlining access management, this tool significantly improved efficiency and security across the organization.

Tasks

- Analyzing, designign and developping a Keycloak integration tool for business users.
- Setting up a Kafka Metric system using Elastic and CosmosDB to evaluate and collect kafka metrics in the different plants!

Skills



Silverfin

Solution Developer

02/2024 - 05/2024

As a consultant, I collaborated within a team of 17 professionals, contributing to the development of templates utilizing a variant of the Liquid template language, specifically designed for Silverfin. My primary focus involved the creation of templates tailored to manage Personal Income Tax for accountants. Faced with a highly time-sensitive project, I was added to the team in order to provide extra help and try to achieve the successful completion of tasks within the prescribed urgent deadline.

The project itself was a little outside of my comfort zone, but I feel this is only an upside in my personal journey as a developer!

Tasks

- Developping templates in the Silverfin language (Liquid variant)
- Code reviews

Skills



Axxes

Frontend Developer

12/2023 - 01/2024

As a Junior Developer at AXXES, I actively participated in the development of the **Carpool Tool**, an internal application designed to streamline the management of carpools. The tool facilitates user subscription to events and allows them to specify their carpool preferences. Additionally, the system autonomously generates carpool proposals, which can be further adjusted by staff to accommodate changing preferences or unexpected irregularities through an algorithmic approach.

Despite my inclination towards backend development, I intentionally sought the opportunity to strengthen my frontend skills by working on the Carpool Tool. This experience provided valuable insights into building real-world applications and enhancing my proficiency in collaborative teamwork.

Throughout the project's evolution, the team underwent dynamic changes as members transitioned to different projects. I initially served as the sole frontend developer, collaborating closely with a backend counterpart. As the project progressed, a second frontend developer joined our efforts, fostering a cohesive team dynamic that resulted in significant advancements and achievements.

This project not only honed my programming skills but also afforded me the opportunity to experience working in a team, as well as controlling and managing the project.

Tasks

- Managing the Scrum Board
- Figma Designs and Flow charts of the site
- Designing the algorithm (theoretically) of the carpool generation
- React development

Skills

Ownership / management of a project. React Scrum JIRA Azure Algorithms Figma



KU Leuven

Thesis Student

09/2022 - 06/2023

"Time Is Running Out Assessing Temporal Privacy of Privacy Zones in Fitness Tracking Social Networks" - Reconstructing routes cut off by privacy zones from fitness apps.

Fitness tracking social networks such as Strava allow users to connect with each other by sharing sports activities. By sharing these activities, users are unintentionally revealing sensitive location data, which allows **malicious users to infer their home address**. This is why these platforms introduce functionality allowing users to hide portions of the trajectory of the activity, in order to protect sensitive locations. Previous research has shown that in spite of these countermeasures, they are still vulnerable to attacks. These inference attacks can use either distance data or elevation data to discover sensitive locations.

During my thesis, I wrote **algorithms** that could **reconstructs cut off parts of the trajectory, exposing home locations of users**. I also **investigated in which circumstances this was most effective**, and finally what countermeasures could be applied to prevent this from happening.

Team: Individual, under supervision

Tasks

- Literature Study of fitness tracking social networks and their privacy
- Literature Study of previous attack models
- Implementation of an attack model
- Writing a scientific article

Skills

Python Data visualization Analysis Presenting/Public speaking Algorithms

KU Leuven

Student

02/2021 - 12/2022

Across different courses and periods, the subject of a port where ships arrive and depart, as well as load and unload containers. The yard itself is managed by cranes, working simultaneously. During these projects, we handled different aspects of the port. We wrote deterministic algorithms to plan the crane tasks and movements. We scheduled different processes on the port, using non-deterministic AI-algorithms. Finally, we brought everything together in a full simulation model with a visualization. This makes it possible to get characteristics and stats of different possible scenarios, as well as detect possible problems with hypothetical cases.

This was a large project that had a lot of algorithmic and logical thinking, in which I therefore made great progress. Also the size of the project required careful planning, and good arrangements to deliver parts which can work together!

Team: 3 students

Tasks

- Emulate crane movement
- Implementing Container Yard ordering
- Implementing the AI process scheduler
- Analyzing and visualizing real world data, and calculating statistical formulas used for the simulation
- Visualization

Skills

Python Python scripting Java Algorithms Data science Data visualization

KU Leuven

Student

09/2022 - 12/2022

Developing an app which is able to track all the expenses made in a period of time, targeted to everyday users. You can also find some financial news articles, helping you to stay on top of your investments.

Team: 2 students

Skills

Flutter Dart

PsiControl

Student Job

07/2022 - 09/2022

R&D employee designing a small adjustable power supply using Arduino, electronic circuit design and C#, powered by USB-C.

I extracted the power supply functionality out of an existing mother board, and redesigning that part into a portable form factor. Then, I programmed an Arduino (**C++**) to control the power supply, using a GUI. I made sure the **SOLID** principles were taken into account, by building multiple abstraction layers, e.g. the controller of the physical pins on the Arduino was layer one, the last layer was the GUI. The functionality of the program can be easily expanded thanks to the abstractions.

A first real work experience, learning to work in a large corporation. Turning **requirements** into real life **solutions**, as well as following the standards of a company really helped in my evolution as a developer.

Team: Individual with possibility of feedback.

Tasks

- Isolating functionality out of a functioning power source
- Translating designed power source to its functionality
- Designing C-program to control the arduino, in a layered fashion
- Designing a GUI in C# to control the arduino

Skills

Arduino C++ C# Electronics WPF

KU Leuven

Student

09/2021 - 06/2022

Bachelor project. Designing a full stack app (Website + Backend + Mobile App), which enables users to select and assign Master Theses. Users are able to log in with different roles and different functionality. Coordinators can add, modify and assign master theses to specific students. Students can see and mark different theses as preferred, and rank them for themselves.

First time developing a platform using a dedicated backend and frontend. Also the first contact with frameworks (**React**), as well as **Java Spring**. Also working coordinated in a team, to deliver the best possible product possible in the limited amount of the time.

Team: 3 students (each had his own role: backend, frontend, both)

Tasks

- Designing architecture of the project
- Designing database structure
- Writing backend controllers, services and repositories
- Creating the mobile app

Skills

React React Native Java Spring Framework JavaScript

Education



KU Leuven - Industrieel Ingenieur Elektronica ICT

Master

09/2019 - 06/2023

Specialization: Smart Applications (*Software Development*)

Relevant Courses:

- Optimization
- Algorithms
- Secure Software
- Advanced Object Oriented Programming
- Web Development
- Distributed Systems & Cyber Security
- Software Simulation

Certificates



Spring Professional Develop (2V0-72.22)

Broadcom

https://www.credly.com/badges/8968e30b-4175-4dff-9a5b-a1865fe49ec1/public_url

achieved: 08/2025 - expires: never

Those who earn the Spring Professional certification have demonstrated strong expertise in the Spring Framework, including its core features such as dependency injection, data access, transaction management, RESTful services, and Spring Boot for building modern applications. This globally recognized certification validates an individual's ability to develop enterprise-level Java applications using Spring, effectively apply Spring's programming and configuration models, and utilize industry best practices for creating robust, maintainable software solutions.



PSM I

Scrum.org

<https://www.scrum.org/certificates/1185678>

achieved: 02/2025 - expires: never

Those who earn the globally recognized Professional Scrum Master I (PSM I) certification have demonstrated a fundamental level of Scrum mastery, including the concepts of applying Scrum, and proven an understanding of Scrum as described in the Scrum Guide. This individual has also demonstrated a consistent use of terminology and approach to Scrum.



OCP Java SE17

Oracle

<https://catalog-education.oracle.com/pls/certview/share-badge?id=166E2EF9C94AE1E525CA00B70BA9C774474DA062FB852E0833EBDB4511973B85>

achieved: 01/2024 - expires: never

An Oracle Certified Professional: Java SE 17 Developer has demonstrated proficiency in Java (Standard Edition) software development recognized by a wide range of world-wide industries. They have also exhibited thorough and broad knowledge of the Java programming language, coding practices, and utilization of new features incorporated into Java SE 17. By passing the required

exam, a certified individual proves tremendous fluency in Java SE and the acquisition of the valuable professional skills required to be a Java software developer.

Trainings



Axxes Traineeship

Axes

16/08/2023 - 22/09/2023

SOFTWARE PRINCIPLES: *Clean Code, SOLID, Mocking & Unit Testing, Agile*

BACKEND: *Spring Intro, Spring Data, Spring Security*

FRONTEND: *JavaScript, HTML/CSS, React, Angular*

MICROSERVICE ARCHITECTURE: *REST, Microservices, Event-Driven, API Testing*

CLOUD: *Docker, Linux, AWS, MongoDB, CI/CD, Microservices, Event-Driven*

DEEP DIVES: *Modern Java, Data, Spring Security, Dealing with legacy, Automated-Front-End-Testing*

Languages

	Understanding	Speaking	Writing
Dutch	Native	Native	Native
English	Fluent	Fluent	Fluent
French	Fluent	Fluent	Intermediate

Weblinks



Github

<https://github.com/WoutDeleu>



LinkedIn

<https://www.linkedin.com/in/woutdeleu/>