



SKILLS

Development & Data Tools:	Python, C# (.NET), Java (Spring), TypeScript (NestJS), Scala, Spark, Airflow, LangChain, Pinecone, Postgres, MongoDB, NextJS
Cloud & Infrastructure:	Microsoft Azure, Google Cloud, Docker, Kubernetes, Git, Terraform, DevOps, MLOps
Languages	English (native), Polish (native), Czech (proficient), German (B1)

EXPERIENCE

<b>Software Developer (Part-Time)</b> CY2	<b>Sep 2024 — Present</b> s-Hertogenbosch, The Netherlands
<ul style="list-style-type: none"><li>Developing a multi-tenant, LLM-powered chatbot platform that empowers educational organizations to create tailored chatbots using their own documents and datastores.</li><li>Taking a leading role in the project, supervising progress, and delivering presentations to stakeholders.</li></ul>	
<b>Graduate Data Science Intern (Full-Time)</b> ASML	<b>Feb 2024 — Jul 2024</b> Veldhoven, The Netherlands
<ul style="list-style-type: none"><li>Thesis title: Impact of parallel unscheduled machine downs on the eXtreme long down (XLD) frequency of DUV lithography systems.</li><li>Conducted data analysis and developed an algorithm to quantify the impact of staffing on XLD frequency.</li><li>Researched and implemented machine learning techniques to predict XLD occurrences.</li></ul>	
<b>Trainee Software Engineer (Part-Time)</b> CM.com (prev. Building Blocks)	<b>Mar 2023 — Nov 2023</b> Tilburg, The Netherlands
<ul style="list-style-type: none"><li>Worked on improving the AI Decisioning Engine, which is used to deliver mass consumer data personalisations, increase conversion rates, order value, and lower returns for clients like Coca-Cola, Corendon, Blokker, and Basic-Fit.</li><li>Enhanced the IntelliJ IDEA development plugin, which was utilised on a daily basis by over 20 data scientists, expediting the development cycle and streamlining the delivery of tailored solutions for all Building Blocks' clients.</li></ul>	
<b>Software Engineering Intern (Full-Time)</b> CM.com (prev. Building Blocks)	<b>Sep 2022 — Feb 2023</b> Tilburg, The Netherlands
<ul style="list-style-type: none"><li>Implemented an advanced user detail encryption module to a mature codebase, enhancing data security and GDPR compliance.</li><li>Utilized Apache Spark for efficient large-scale data processing, successfully executing load tests on datasets comprising millions of records and achieving results within sub-second latency.</li><li>Developed a data loader for Building Blocks' proprietary platform for files stored in Azure Blob Storage. The data loader was used to fetch data for basket prediction, anti-churn AI models as well as boosting efficiency of workflows, improved system observability and data integrity, while simultaneously eliminating the need for custom code.</li></ul>	
<b>Research Student Intern (Part-Time)</b> Microsoft	<b>Feb 2019 — Jun 2019</b> Prague, Czechia
<ul style="list-style-type: none"><li>Conducted Market research on Quantum computing and presented findings for an internal Hackathon.</li></ul>	

NOTABLE PROJECTS

<b>Full-Stack Developer</b> LabelGenius - Individual University project	<b>Sep 2023 — Jan 2024</b>
<ul style="list-style-type: none"><li>An online platform that connects data providers with skilled labellers, streamlining image data labeling to create high-quality data-sets that are used in AI and machine learning applications.</li><li>Developed a microservice architecture in C# using .NET 6.0, with an automated CI/CD pipeline including testing and deployment to a managed Kubernetes cluster in Microsoft Azure.</li></ul>	
<b>Data Pipeline Developer</b> Canon - Group University project	<b>Sep 2021 — Jan 2022</b>
<ul style="list-style-type: none"><li>Collaborated in a high-performing team of 5 within a Scrum agile framework.</li><li>Contributed to the design and development of an ETL data pipeline using Python and Apache Airflow.</li></ul>	

EDUCATION

<b>Master of Science in Data Science in Business and Entrepreneurship</b> , JADS (Tu/e & Tilburg University)	Aug 2024 — Jul 2026
<b>Pre-master in Data Science in Business and Entrepreneurship</b> , JADS (Tu/e & Tilburg University)	<b>Grade: 8.0</b> Jan 2023 — Jun 2023
<b>Bachelor of Science in ICT &amp; Software Engineering</b> , Fontys University of Applied Science	<b>Grade: 9.2</b> Sep 2020 — Jul 2024