

Gerrit Geeraerts

Bridging the gap between today's programming and tomorrow's AI, while deeply rooted in the open-source community's collaborative spirit.

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Education 2005-2008 **Professional Bachelor's in ICT**, KaHo Sint-Lieven, Ghent, Belgium
1999-2005 **Industrial Sciences**, Don Bosco, Halle, Belgium

About Me - I first got in touch with computers when I was 7 years old, Windows 3.11 in the full 16 colors, magical! Since then, I have been passionate about technology. With a core value to leverage the abilities of computers to make our lives more productive. I have been personally inspired by this for over 30 years, working on numerous home projects. Professionally, I have about 1 decade of experience in IT. Most of it was as a system engineer, exploring and learning new systems and connecting them through coding.

But today, I see more potential in Data & Artificial Intelligence. It has the power to make a bigger difference in our productivity. This inspired me to pursue a training at BeCode as a Data Engineer.

As a person, I am a collaborative team player with a passion for continuous learning and knowledge sharing. Motivated, a creative problem-solver, leveraging critical thinking and analytical skills to find robust solutions. I am a generalist with a broad interest range.

My goal now is to grow and apply my technical expertise as a Data Engineer to build robust **Large Language Model** and **Machine Learning** solutions that leverage the capabilities of Artificial Intelligence.

Relevant Skills - **Languages:** Mother Tongue in Dutch, very good **English**, very good French
Soft Skills: Team player, eager to learn and teach, motivated, calm and thoughtful, **creative**, critical thinking, problem-solving, **analytic**.

Experience 2024/1>8 **Data Engineer Trainee**, Becode, Ghent, Belgium

Credit Card Churning: **Azure ML** Infrastructure with Terraform and MLflow, Predicting Customer Credit Cancels.

Immo App: Deploying Immo Prediction model with Streamlit and FastAPI

Immo ML: Fixing an OLTP database and making a new OLAP database from it.

Wine Market Analysis: Fixing an OLTP database and making a new OLAP database from it.

Skills: **Python**, Sklearn, Transformers, AWS, **Azure**, GCP, Airflow, Pytest, Terraform, Kafka, SQS, PySpark, Kubernetes, **GPT**, **LLM & ML Ops**, Gen AI, Langchain, RAG, Selenium, Playwright, Scrapy, MLflow, FastAPI, Streamlit, Docker, Git, SQL, **Natural language processing**, **Data preprocessing**

More: Check out my GitHub for more details: [GitHub](#)

2024 **System Engineer (Volunteer)**, Viso Cor Mariae, Brakel, Belgium

I volunteered at Viso Cor Mariae, a school where they did not have anyone for IT. I analyzed their IT infrastructure, created a roadmap, and started implemented solutions. Together, we searched for a new IT Professional and worked together to ensure a smooth transition.

Skills: **Azure Cloud**

2019-2023 **System Engineer**, Kasterlinden, Sint-Agatha-Berchem, Belgium

Digitalizing Education: We provided iPads to all students and staff, managed them efficiently using barcodes and synchronization, and integrated them with existing educational platforms.

Account management / synchronization / SSO

Cloud Migration: Migrating from a hybrid environment to **Azure** cloud only environment.

Application Self-Service: I created a tool to streamline the creation of Intune packages, enabling users to install software through a self-service portal.

Modern Inventory Management: We developed an automated inventory system that hooked in to SQL database of lansweeper for improving asset management and oversight.

Give Trainings: Exploring modern educational ways to teach. Motivating and training teachers to work with modern education tools like iPads.

Network Management: Collaborating closely with our parent organization, to manage our Wi-Fi, lan, wan, firewalls.

Skills: **Python**, Django, Docker, Selenium, Jamf, Apple School Manager, **Azure** Cloud AD, Git, Soap, Apple ID, DHCP, DNS, Firewall, VLAN, Routers, Switches, Powershell, Local AD, Intune, Lansweeper, SQL

2019-Nu **Home projects**

Crypto bots: Sentiment analysis for optimal trading.

YouTube caption search: Search within your subscribed content.

Gmail unsubscribe finder: Easily locate and manage email subscriptions.

Liquidity pool sniper: Detects and invests in new liquidity pools for optimal yields.

Custom keyboard: Typewriters were invented in the 1800's where the mechanics played a key role on how it was designed. A lot of where projected on to keyboard as we know today. But they are anything but modern. So I soldered my own modern design keyboard based on the QMK Firmware.

Skills: **Python**, Django, Docker, Linux, Git, Rest API, HTML, CSS, Selenium, Scrapy, Celery, Redis, Proxmox VM, SQLite

More: Check out my GitHub for more details: [GitHub](#)

2014-2018 **System Engineer**, Metro Group, Wommelgem, Belgium

User management: Migrating from generic accounts to personal accounts, automating creation of user accounts and generating documentation.

Exchange: Managing generic mailboxes and a self-service tool.

Network: Managing the lan, Wi-Fi, firewalls and setting up new stores.

Support: First and second line support.

Skills: Firewall, Powershell, Switches, DHCP, DNS, Wlan, AD, Confluence, MS exchange, Kanban, Scrum

2011-2014 **Sales Digital world**, Metro Group, Sint-Pieters-Leeuw, Belgium

Creating a great customer experience, listening to the needs of the customer and translating it to the correct product.

2012 **Teacher ICT**, GLTT, Halle, Belgium

I love breaking down information into small and easy to understand concepts which makes it easy to understand for students.

2009-2010 **Chief employee IT**, University Ghent, Belgium

Writing a user story and developing a workflow tool for sales, laborants, customers and administration department.

IT infrastructure management and support together with the central IT department.

Skills: .NET, SQL, HTML, CSS, Firewall, switches, DHCP, DNS, Wlan, AD, DNS, Deployment]