

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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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 **LLMops** solutions that leverage the capabilities of Artificial Intelligence.

Experience

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

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

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, AWS, **Azure**, GCP, Airflow, **Pytest**, Terraform, Kafka, SQS, PySpark, Kubernetes, **GPT**, ML & **LLMOps**, **Langchain**, **Agents**, **RAG**, Selenium, Playwright, Scrapy, MLflow, **FastAPI**, Streamlit, **Docker**, **Git**, **SQL**, **graph databases**

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, DHCP, DNS, Firewall, VLAN, Switches, Powershell, Local AD, Intune, Lansweeper, **SQL**, HTML, CSS

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 where 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]

Other 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.

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