



YVES VINDEVOGEL

FREELANCE

Python Developer and Teacher, Linux and Open Source Enthusiast.



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ABOUT

SUMMARY

MY NAME IS YVES VINDEVOGEL, A PYTHON DEVELOPER AND TEACHER. I HAVE A SPECIAL INTEREST IN OPEN SOURCE TECHNOLOGY.

I am a highly skilled developer with a background of close to 30 years as consultant in ICT. That is, if you don't count my first programming experiences on a Commodore-64 when I was about 12. Started programming in the Basic world, moved to XML related environments and programming in Java, Javascript and Groovy. In 2019 I have made the switch to programming in Python.

After having worked as DevOps for several years, I decided to move back to the development side. Although I love working with Linux systems, I prefer writing real applications more.

20 Years after I first started teaching, I have picked up teaching evening school again at Syntra. I'm teaching Python, of course. I guide my students from launching their first hello_world.py until the end when I judge their final end-project. When my career was focused on Adobe products, I also got certified as an Adobe Certifier Instructor.

I have a strong affection for automation (builds and testing) and open source. I'm also interested in NoSQL databases, Docker, RabbitMQ and Redis.

I have a big interest in beer (not only just because I'm Belgian). I am zythologist (beer sommelier) and micro-brewer. I tend to talk about beer as passionate as I talk about Python coding.

I am a referee in Futsal. I lead matches on 3rd national level for men, 1st national level for women and all age categories of the national youth teams.

I am a former Belgian Air Cadet. I used to fly gliders when I was 16, but nowadays you only find me along the runway handling a Nikon camera with a big zoom lens.

I have a strong character and a strong will to develop quality solutions.

I was born in Oudenaarde, Belgium on December 31st, 1972. After having lived in several Belgian and European cities, including Cologne, Stockholm and Paris, I moved back to the city of my roots in 2022: Oudenaarde. I am blessed with one son, Niels.

EXPERT IN

PYTHON	99%	LINUX	95%
FUNCTIONAL AND OBJECT ORIENTED PROGRAMMING	99%	GITLAB, GITHUB	95%
MODERN PYTHON FRAMEWORKS	90%	DOCKER	60%
RELATIONAL DATABASES, SQL	90%	ANSIBLE	85%
GROOVY, GRADLE	90%	JENKINS, NEXUS	85%
JAVA, JAVASCRIPT	50%	DEVOPS METHODOLOGY	90%
XML, XSLT, XSD	95%	AGILE METHODOLOGY	90%
MICRO SERVICES, APIS, JSON, YAML	85%		

PYTHON FRAMEWORKS

PANDAS	80%	DJANGO	90%
SQLALCHEMY, ALEMBIC	90%	WAGTAIL	70%
PYDANTIC	85%	FASTAPI	85%
SHINY FOR PYTHON	85%	FLASK	70%
FLET.DEV	85%	FALCON	70%
QUARTO	50%	CHERRYPY	90%
MATPLOTLIB, PLOTLY, ALTAIR	60%	MARSHMALLOW	85%

INTERESTED IN

The below technology is technology where I have put steps, but not always within a project. Projects with these new technologies are high on my wish-list for future projects.

MONGODB	50%	NEO4J	25%
RABBITMQ	50%	REDIS	20%

BACKPACK TECHNOLOGY

In my career I worked with several technologies that I still master but don't use on a daily base anymore. I'm not taking any jobs in these technologies, but they remain useful on projects.

ADOBE LIVECYCLE ES	100%	MS VISUAL BASIC	90%
POSTGRESQL	90%	MS WINDOWS (3.11 -> ...)	90%
MS SQL SERVER	80%	MS WINDOWS SERVER (NT4 -> ...)	65%
ORACLE, MYSQL	50%	MIDDLEWARE, QUEUEING	40%
IBM URBANCODE	70%	JIRA, CONFLUENCE, REDMINE	60%
AWX-TOWER, SATELLITE	50%		

LANGUAGES

As a Belgian, more in particular being Flemish, I live in the center of Europe. Flemish people are known in general for their good knowledge of foreign languages. I speak and write the following languages listed below.

DUTCH (NATIVE) - SPOKEN	100%	DUTCH (NATIVE) - WRITTEN	100%
ENGLISH - SPOKEN	99%	ENGLISH - WRITTEN	98%
FRENCH - SPOKEN	90%	FRENCH - WRITTEN	80%
GERMAN - SPOKEN	70%	GERMAN - WRITTEN	50%
SWEDISH - SPOKEN	30%	SWEDISH - WRITTEN	20%
RUSSIAN - SPOKEN	2%	RUSSIAN - WRITTEN	1%

AVAILABILITY

At the moment, I am not open to new opportunities. I have a long-term contract at ArcelorMittal, Ghent. So unless you have an offer I can really not resist, it makes no sense contacting me.

For recruiters, check <https://www.linkedin.com/in/yvesvindevogel/>, which is my LinkedIn profile. If you don't see the green badge 'open to work', then normally I'm not interested in your project. But you can always try to convince me, of course.

However, if you have an open source project ongoing, and I use it, I may step into the project. I would also be glad to find people who are willing to work on open source projects I'm coding on.

If you need advice on Python projects, you can always contact me to develop your architecture, core functionality, ... You can also hire me as a Python teacher for short assignments.

NOT FOR ME

From experience, I know that I don't like to work in some roles. I will not consider taking up a position on for example the below jobs.

- Non-technical jobs: it's simply not me.
- Being a scrum master / product owner: I'm too technical.
- Only working as a system engineer: I love to develop for the backend, but keeping servers running is not my thing.
- Functional analyst / technical writer: I like to write code too much.

INTERNATIONAL JOBS

I have worked several years in different countries within Europe. At this moment however, I prefer to stay in Belgium due to the fact that I teach evening classes and my joy for being a referee. And I'm renovating my house.

TECHNOLOGY

MY PREFERENCES

The technology below, is the technology I prefer to use on my next project. This is the technology I believe will shape the next years of my career.



PYTHON

In 2019 I switched from Groovy to Python. The power and the simplicity of the language caught me. The powerful frameworks and tools like django, wagtail and conda complete my joy in using the language.



LINUX

My favorite operating system. The robustness of the operating system still amazes me. The choice of distributions, desktop environments and tools only allows Mac OSX as a competitor. I currently favor Mint Linux on my desktop, but I also work with the Red Hat family of products.



DOCKER

I love containers. They are elegant, fast and give you so much flexibility. When I'm deploying a solution, the Docker family of tools has my main focus.



MICRO-SERVICES

All of the solutions I write today, have a REST backend. Python and Groovy frameworks are available to write them in no time. Even message queueing is a possibility.



NOSQL

I have written my share of select statements. Time to move on and put our data in Neo4J or MongoDB.

CAREER

CAREER BLOCKS

PYTHON DEVELOPER AND TEACHER

2021 - now

I'm moving back to the development side of things. Doing Python projects and teaching Python.

DEVOPS

2020 - 2021

I took up the role of DevOps again, taking up automation with new tools like RunDeck.

DEVOPS / LINUX EXPERT

2019 - 2020

Since the beginning of 2019, I am working closer to the core of the server infrastructure again. On top of my role of DevOps, I work also as a system administrator on Linux, Red Hat Enterprise Linux more in particular.

DEVOPS

2017 - 2019

In 2017, I started working for D'leteren as DevOps. In this position, I am able to bring a lot of my previous experience with open source solutions and long term coding expertise to help them build a CI/CD solution.

MIDDLEWARE DEVELOPER

2015 - 2017

Changing from Adobe's world to the world of middleware. As I am more of a server person, middleware became my new area of work. Based on my previous experience with XML/XSL, I worked for BNP Paribas Fortis with IBM's Integration Bus solutions.

ADOBE LIVECYCLE ES EXPERT

2007 - 2015

Mid-career I moved into Adobe LiveCycle ES. This splendid PDF technology took me around Europe, designing document solutions and teaching. I could use my previous experience with XML, Javascript and Linux as I also did the installations of the product on a variety of hardware + software solutions. Adobe has taken a different road with the LiveCycle ES product, ending my interest in their product(s)

OPEN SOURCE DEVELOPER

2004 - 2007

Swinging over to the other side, I moved away from everything that was Microsoft. I learned XML and XSL, started using Linux and used a lot of open source software. I also started to learn some Java and web development languages like JavaScript, HTML and CSS. Also started teaching in this period.

MICROSOFT VISUAL BASIC DEVELOPER

1997 - 2003

I started with Basic on the Commodore-64. Later, I programmed GW-Basic and QuickBasic. When Windows came to the desktop, I learned Visual Basic. The first part of my career I spent coding in Visual Basic 4.0 to 6.0. Together with databases like Microsoft SQL Server, Microsoft Access and some basics of Windows NT Server.

EDUCATION

GRADUATE APPLIED INFORMATICS

1991 - 1993

BME, Ghent (BE)

MATHEMATICS

1984 - 1990

Scientific A, Onze-Lieve-Vrouwecollege, Oudenaarde (BE)

PROJECTS

PYTHON DEVELOPMENT



PYTHON EXPERT

2022 - now

PRYSSENT - 06-2023 → NOW

DEVELOPER

Started as a demo project, Pryscent has become the most used tool for presenting notebooks on the intranet of Arcelor Mittal Ghent. A data engineer can easily put his or her notebook on a certain file location and schedule it. The notebook will automatically be generated to HTML and shown in the application. It's highly competitive with Microsoft PowerBI. The application itself uses multi-processing, RabbitMQ for messaging between the worker threads, Redis for caching and a relational database for persistence. The tool will be open sourced fully in 2025.

AZURE DEVOPS - 05-2024 → NOW

VOLUNTEER, SORT OF

I am responsible for maintaining the Git repos, build and release pipelines for the Python applications and libraries running at Arcelor Mittal. I did not set up the whole infrastructure, I only maintain it.

PY-DEX - 12-2022 → NOW

MAINTAINER

PY-DEX stands for Python Data EXplorer and is the application that simplifies the generation of graphs and plots for the data engineers at Arcelor Mittal. They start from their data, use the tool to generate the desired outcome and they receive the Python code they should inject in their notebook to receive the same result as they just developed using PY-DEX.

ARCELORMITTAL CODE LIBRARY - 05-2022 → NOW

DEVELOPER

To make the productivity of the data engineers higher, a big library is coded to facilitate easier access to certain of the components they use as backend. For instance, there's a module for SAP, timeseries data (plc data), SharePoint, SQL server access, amongst others. Besides that, it has common functions to send for instance emails, run scripts periodically and more. This code is used in all countries in the 'Flat Europe' group.

PYTHON ENVIRONMENTS - 05-2022 → NOW

DEVELOPER

For all data engineers at Arcelor Mittal in Belgium, Germany, Poland, Canada, France and Spain, we create a common Python environment using Conda. That way, all data engineers have a standard working environment with over 50 packages that is common for all. It greatly simplifies the work put in support as we are sure what environment they are using. There's approximately one release per year, which kind of follows the major releases of Python itself. Main packages in this environment are Pandas, Numpy, Matplotlib, Plotly, Altair, Office365 libraries, ...

PYTHON SUPPORT - 05-2022 → NOW

SUPPORT

I am the first contact person for the data engineers at Arcelor Mittal Ghent when they have questions around their development of notebooks for data research or Python scripts for automation. Often they know the data, but lack the programming skills. I fix their problems, write templates to give them a quick start, I keep an eye on their development when we upgrade environments and risk deprecation warnings and so on. Doing this, I see a quite a big amount of code for data science. Often, old programming tricks solve problems that have been solved long time before in another technology. For this, we also have regular training sessions to help newcomers get started in our Arcelor Mittal Python world.



PYTHON DEVELOPER

2022

KIS - RELATIONATTRIBUTES - 02-2022 → 04-2022

DEVELOPER

The KIS API application uses Falcon and MongoDB as base for supplying data to external applications as Adobe Campaign via APIs. A high performance endpoint was added for the relationAttributes. I ended this mission prematurely because of a different view on coding style, quality and testing with the original developer.



PYTHON TEACHER

2021 → now

PYTHON DEVELOPER (2J) - STEM SPONSORED BY THE FLEMISH GOVERNMENT - 09-2021 → NOW

TEACHER

The Flemish government is extending its STEM initiative into the evening school trainings. Together with Syntra, they have developed a new 2 years training called 'Python developer', where students learn programming in Python the first year, including object oriented programming, some SQL and a bit of agile project management. The second year will be focused on the more important Python frameworks like Django and Flask. I'm teaching the full stack as I have experience in all of these domains.



ZYTHOLOGIST

2020 → 2021

ZYTHOLIB.ORG

REVIVAL VAN DE OUDENAARDSE BROUWERIJEN - 11-2020 → 04-2021

WRITER / STUDENT

At first, it may seem strange that my studies as a zythologist are listed in my Python projects. However, I had to write a paper to conclude my studies and I wrote that in Sphinx-Doc, the default Python documentation tool. I have published my paper also as a website, which can be visited at <https://zytholib.org>. The website and PDF are automatically generated from Restructured Text documents. The base code of this has been open sourced and can be found at GitHub.