



# **Develop your first Api with Python with fast API**

## Plan

- Why Python?
- Why Fast API?
- How to extend Fast API
- Demo



## Xavier Bouclet

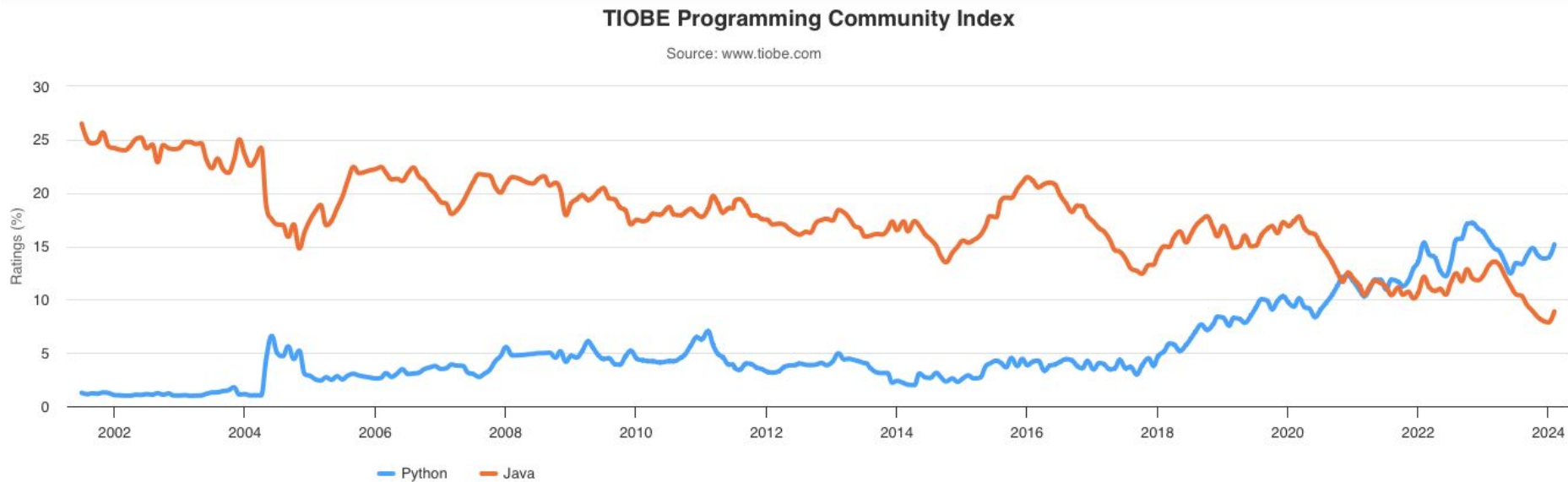
- ~16 years of IT experience
- Developer / Technical Leader
- Co-organizer of the Montreal JUG & Devovx4Kids Quebec
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- Twitter @XavierBouclet



## Why Python - History?

Version	Date	Comments
0.9.0	1991	First official version
1.0	1994	Improvement of the language
2.0	2000	Improvement of the language
3.0	2008	Breaking change version
3.5	2015	Async/Await
3.12	2023	Current version

# Why Python - Popularity?



Source : [TIOBE Index](https://www.tiobe.com)

## Why Fast API?

- Since 2018 (Python 3.6)
- Fast API is as fast as Go or NodeJS API
- Easy to code with (Pydantic & Starlette)
- The API doc is auto generated (Open API or Redoc)
- Easy to build modular application
- Support async/await
- Secure (Oauth2)

# Extends fast API

## Awesome FastAPI | awesome

A curated list of awesome things related to FastAPI.

[FastAPI](#) is a modern, high-performance, batteries-included Python web framework that's perfect for building RESTful APIs.

### Contents

- [Third-Party Extensions](#)
  - [Admin](#)
  - [Auth](#)
  - [Databases](#)

[Awesome Fast API](#)

## Demo :

- An API with Fast API



<https://github.com/mikrethor/fastapi-whiskies-api>



# Questions ?



## The Digit'Owl Factory

- Founded by 4 IT domain associates in 2018
- Clients :
  - Desjardins, Intact, Quebecor, ExPretio, Flo AddEnergie
- Values
  - Creativity
  - Digital disruption
  - The human factor
- Expertise
  - Technical Lead, Kafka, Agility, Mobile Development
  - Kafka, Kotlin training (Spring Boot coming soon) internally or through ETS

# Thanks for your time



## Ressources

- <https://www.tiobe.com/tiobe-index/>
- <https://fastapi.tiangolo.com/tutorial/bigger-applications/>
- <https://www.freecodecamp.org/news/fastapi-quickstart/>
- <https://www.travisluong.com/fastapi-vs-fastify-vs-spring-boot-vs-gin-benchmark/>
- <https://medium.com/deno-the-complete-reference/python-vs-springboot-performance-comparison-for-jwt-verify-and-mysql-query-d2c28bff3958>
- <https://medium.com/deno-the-complete-reference/list-of-all-of-my-real-world-performance-comparisons-a8e9182ac50>
- <https://github.com/mjhea0/awesome-fastapi>
- <https://realpython.com/fastapi-python-web-apis/>
- <https://pypi.org/project/fastapi-rfc7807/>