Guillaume Jacobs

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SKILLS

Soft skills

- Fast and proactive learner
- Adaptive in group work
- Clear and structured communicator

IT skills

- Python, Go, JavaScript
- AWS, GCP
- Git, Docker, CI/CD
- SQL, NoSQL, Redis
- SEO

General skills

B Driver's Licence

EXPERIENCE

- 2019 - Present: **Stylight** - Junior Software Engineer
- 2018 - Present: Open Source Developer / Technical Writer
- 2016 - 2018: **KAP Seniors** - Treasury manager

EDUCATION

Columbia University

- MicroMaster in Artificial Intelligence : 2020-2021

Università Commerciale Luigi Bocconi

- Master degree in Economics : 2018-2019

Université Catholique de Louvain

- Bachelor degree in Economics and Management : 2015-2018 – Grande Distinction

- Bachelor degree in Law: 2014-2018 - Distinction

LANGUAGES

- French: Native proficiency
- English: Fluent proficiency (C1)
- Dutch: Good proficiency (B2)
- German: Elementary proficiency (A2)

Experience

Stylight - Junior Software Engineer

I have been responsible for building, deploying and maintaining softwares, both on my own and as part of a team (in the tech SEO department). I have also gained professional experience in machine learning.

I first joined as the sole engineer of the team, which taught me how to work autonomously, prioritize and organize quarter long projects, and communicate efficiently to both tech and non-tech stakeholders. My first tasks were to either fix services that had been broken for a few years or to refactor from scratch other services that hadn't scaled. In order to achieve those goals, I had to step up and take on the responsibilities that are usually associated with more senior engineers such as leadership, prioritization and decision-making.The result of those months of work has been the deployment of multiple working and scalable services, increasing substantially the seo visibility of our websites.

After six months, another engineer joined the team, and we received the help of a sysops and a lead engineer. With this core, I learned how to divide work, to perform efficient code reviews, and to ask for relevant information to the relevant person. During this period, I have built and deployed new services (mainly automation) to production as well as starting destructuring our existing monolith service and database into a microservice architecture. I have also deployed some machine learning models to production (the main focus being natural language processing). On another note, Stylight being a host to regular meetups, I have been having the chance to speak at some of those meetups, thus practicing my communication skills in front of a broader audience.

The impact of my work has been greatly positive for Stylight, as our SEO traffic has been increasing up to 3 times on some of our locales. On a purely tech level, kicking-off a microservice design for our legacy services and new services will have a positive impact in the future when it comes to maintaining the relevant services.

Skills set :

- Python
- Flask framework
- Docker
- CI/CD (CircleCI)
- AWS
- Big Query
- Google Analytics / Google Console
- SQL (Postgres)
- Redis
- SEO
- Machine Learning

Open Source Developer

As part of my passion for software development, I have been building many open source projects, as well as taking part in various hackathons (as part of a team).

With the multiple projects that I have built, I learnt both frontend and backend skills, as well as machine learning skills. To name a few, I have been building a weather application, a thumbnail generator website, an application to verify whether or not a password has ever been leaked online, an application to verify if an email address exists or not, a stock price prediction model, and various themed websites (Halloween, Christmas) as well as a portfolio website.

From those experiences, I have also learnt collaborative skills, especially when it comes to working on an open source project with many contributors and maintainers.

Skills :

- Go
- Python
- JavaScript / TypeScript
- CSS
- HTML
- React.js
- Node.js
- NoSQL (MongoDB)
- SQL (mySQL, PostgreSQL)
- Redis
- Docker
- Machine Learning

Technical Writer

Author of a series of technical articles. I am mostly writing about programming, but I also write about physics on the side. I have been writing my latest articles on Medium, articles which have been published by different well-regarded publications (Better Programming, Level Up Coding, The Startup).

I am currently working on an ongoing series of articles about Go, in which I teach the main features of the language, including the main data types, the functions, the package system, concurrency, etc. I am also working on starting a new series about Cloud Computing as well as another series about Artificial Intelligence (with a main focus on robotics and machine learning).

From this experience, I have not only learnt to master the topics on which I am writing about, but I have also been training my communication skills as I take at heart to always write in a clear, structured and understandable way.

KAP Seniors - Treasury Manager

Responsible for the treasury of a student association (KAP Seniors). I was responsible for creating the account reporting, the budget allocation for events and requesting subsidies for our activities in a student association whose scope was to organize events gathering students and elderly people.

I have learnt with this experience to stay organized on a daily basis and to be meticulous in my work.

Skills :

- Excel
- VBA
- Microsoft Office