



Education

School 42 - 4 yearsMedia Training
OpenClassrooms in Paris,
January 2021Relational Communication
Training
"EFE-CFPJ" in Paris 1st
arrondissement, January 2015Baccalaureate, Science track
Honors ("bien") in July 2014

Professional Experience

Allianz Trade - 3.5 years - Since 2022**Tools:**

- Python, Docker, GitLab, CI/CD, SQL, AWS cloud (ECS, Lambda, Athena, S3), ETL, Microservices, FastAPI, Pandas, Pyproject, Jira, Confluence, Agile, Scrum

Risk Model Data Engineering

- As part of a strategic project in the Credit Model division, the team needed to develop an explainable algorithm to ensure transparency and compliance. I contributed to this mission by participating in data cleaning as well as developing a robust ETL pipeline to feed this model.
- Integration in a dynamic team of Data Scientists as a Data Engineer, contributing to cleaning and preparing data for model training.
- Design of a preprocessing service in Python, deployed with FastAPI, dedicated to optimizing data for an Explainable Boosting Machine (EBM) model.
- Complete implementation of a CI/CD approach, including testing, code formatting, security checks, and deployment steps.
- Refactoring of existing code to optimize and adapt it to current development standards.
- This model has been successfully deployed in multiple countries in the group, and the results have been very positive, confirming the value of this approach.

About Me

Frameworks and Libraries

- FastAPI
- Flask
- Gunicorn
- Pandas
- Scikit-learn
- BERT
- GraphQL
- Kafka

DevOps and Containerization Tools

- Docker
- Kubernetes
- GitLab
- Bitbucket
- CI/CD

Cloud Services and Infrastructure

- AWS Cloud
- S3
- ECS
- Lambda
- EC2
- Athena
- Postgres
- Redis
- Elasticsearch

Monitoring

- Prometheus
- Grafana

Project Management Methodologies

- Agile
- Scrum
- Jira
- Confluence

Languages

English, Hebrew

Interests

Theater enthusiast, Drummer,
Surfer **Bloom - 1.5 years - 2020/2022****Tools:**

- Python, Docker, GitLab, CI/CD, Kubernetes, Python, gRPC, Prometheus, Kafka, Grafana, AWS cloud (S3, EC2), ETL, Microservices, Go, FastAPI, Jira, Confluence, Agile, Scrum

Data Engineering

- Within Bloom, a company specializing in social network analysis for security, defense, and marketing purposes, I worked on implementing an ETL from scraped data from various platforms (Facebook, Twitter, etc.), processing them in Python/Kafka, then loading them into a graph-oriented database for further exploitation by the Data Science team.
- Implementation of a streaming platform, covering agile development, creation of a multilingual tokenizer and integration of Prometheus metrics.
- Reliable storage of data from Kafka to S3, with deployment on Kubernetes automated by GitLab CI.
- In-depth expertise with Git/GitLab tools: management of clean commits, rebases, strict code reviews, and continuous integration.
- Collaboration in the team: pair programming, daily meetings, structured backlog management, and technical workshops.
- Clean coding: strict application of TDD, the KISS principle, and regular refactoring to maintain quality.
- Structuring a version 2 based on Kafka microservices in Python via gRPC, Docker containerization and centralized monitoring with Prometheus/Grafana.
- Performance optimization, scalability management, and resource consumption control.
- Refactoring the classification algorithm and automating data loading on AWS S3.
- An approach combining technical rigor, collaboration, and innovation.
- This V2 of the platform demonstrated its effectiveness and robustness but was ultimately replaced by a Spark-based ETL, which was more efficient and better suited to the operational needs of the tool.

Southpigalle - 3 years - 2017/2020**Tools:**

- Python, Docker, Bitbucket, NLP, Flask, Gunicorn, Kubernetes, AWS Postgres, Redis, Elasticsearch, Node.js, GraphQL, Microservices, Jupiter, Pandas, Scikit-learn, BERT

Data Engineering: NLP Overhaul & Expert System Genius creation

- At Southpigalle (now part of the Meytis group), I worked on designing and deploying architectures dedicated to NLP. This start-up specialized in exploiting NLP to enable companies to access and leverage customer data.
- Design of a microservices NLP architecture, covering the entire chain: from data preprocessing to machine learning algorithms.
- Close collaboration with Data Scientists to implement a sentiment analysis model based on BERT, and integration of advanced language preprocessing libraries.
- Development of specialized microservices for NLP communicating via a Gunicorn/Flask API, allowing dynamic enrichment of JSON objects.
- Creation of an Expert System Genius, leveraging NLP to automatically convert a natural language sentence into a GraphQL query.
- Gathering and integrating user feedback, deploying and maintaining all services on Kubernetes.
- An approach based on technical rigor, co-construction with the team, and constant innovation.
- I contributed to the development of a high-performing NLP model, which was successfully used in several real projects for prestigious clients in the luxury and agri-food sectors.

OpenClassrooms - 5 years - 2018/2023

- OpenClassrooms is a leader in online education, offering comprehensive career paths with mentor support. In that capacity, I was a mentor on several paths and also wrote technical courses, still available today on the platform.
- Writing technical courses to support training paths, ensuring educational clarity and progressive structuring of knowledge.
- Role of Python technical coach for students on the platform, focused on regular support, practical problem solving, and personalized guidance to foster progress and growth in software development.
- Design and writing of specialized educational content, covering key topics such as Docker, Agile Development, continuous integration or automation, with a practical approach and actionable examples.
- An approach focused on popularization, adaptation to varied learner levels, and support for autonomy and success.
- Commitment to educational innovation, with regular content updates to keep pace with technological evolutions and meet industry needs. My mentor role and the design of core courses (including "Deploy with Docker" and "Become an Agile Developer") contributed to learners' success, and these contents continue to be used every day by thousands of students.

Superprof - 2 years

- Taught courses and specialized training on technologies such as Docker and Python.

Military Paratrooper 1.5 years

- Paratrooper in Battalion 101

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