

Paul-Darius Sarmadi

Senior Data Engineer

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Driving License

WORK EXPERIENCE

Dec 23 - Now

Chief Technology Officer at Barnabe.io - Paris

- Defined and executed the company's technical vision, ensuring alignment with business goals and collaborating with the CEO and key stakeholders.
- Led the development and maintenance of a scalable healthcare platform (Angular, GCP, Node.js, TypeScript), ensuring high-quality delivery and operational performance.
- Implemented rigorous security and compliance protocols to protect user data and meet industry regulations.
- Spearheaded R&D and innovation initiatives, identifying new opportunities and driving technological advancements.

Jan 22 - Dec 23

Senior Data Engineer at AODocs - Paris

- **Built the dev environment for Data Analysts** using dbt/BigQuery and integrated new data sources with Airflow/Airbyte (e.g., Salesforce).
- **Developed cost/pipeline monitoring UI** with Streamlit and optimized data pipelines with Spark clusters on Dataproc and dbt.
- **Created a multi-cloud streaming OCR engine** for document migration to AODocs using Textract, Tesseract, and Cloud Vision.
- As a consultant, **automated the classification of millions of documents** on Google Drive.

Stack: BigQuery, Dataflow, Cloud Run, Spark (Dataproc), PubSub, FastAPI, Redis, GitHub Actions.

Apr 20 - Nov 21

Lead Data at Efficity - Paris

- Managed the data team (hired 2 Data Scientists, 1 MLOps), defined the roadmap, and mentored team members.
- Enhanced Efficity's pricing algorithm by integrating new data sources (DVF, CRM).
- Automated monthly nationwide price updates using Airflow.

Sep 19 - Mar 20

Independant Consultant

Sep 17 - Aug 19

Machine Learning Engineer at Concord - Paris

- **Developed ML (NLP) based product features from the ground up.** Goal: Automatically extract key data from scanned contract documents –main dates and durations, parties.
- Data acquisition and cleaning, Machine Learning (Random Forest with sklearn and Deep Learning with keras), microservice delivering ML through an AWS based pipeline.
- **Set up a clean data environment** based on code, experiments, data and models versioning with **github/DVC**.

Sep 16 - Aug 17

Data Science Consultant at Weave - Paris

Jan - May 16

Deep Learning Research Study - Bangkok

Built a **deep learning software with Caffe**. Given a database of surveillance videos and images of a person, the software tells where and when the person does appear.

EDUCATION

2013 – 2016

Dual-Degree Télécom SudParis - France and AIT - Thailand

- Master of Engineering in Computer Science, from the Asian Institute of Technology. Specialized in Data science.
- Diplôme de l'Institut Mines-Télécom - Télécom SudParis. Recognized internationally as a Master of Science in Engineering.

2010 – 2013

“Classes Préparatoires” student - Janson-de-Sailly/Descartes - France

Mathematics and Physics intensive preparation for competitive exams. Admissible “Mines-Ponts”.

Languages

French - English: Bilingual

Stack

Data Engineering:

BigQuery, PySpark (Dataproc), dbt, Airflow, Airbyte, Spark

Data Science: pandas, sklearn, keras

Frontend: React, Angular

Backend: Node, Typescript, Python

laC: Terraform

Cloud: GCP, AWS

Other Experiences

2023: Author of video-summarizer.com

2013-2016: Student projects - Python/Theano deep learning software ; a drone piloting project in C++ ; an NFC card read/write/hack program.

June-Sept 2014: Internship at the ENS Cachan - Wrote a library that makes C/C++ vision algorithms easily usable within Matlab.