Vincent Duchauffour
Machine Learning Engineer

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Profile

I work in AI since 2019.

Over the years, I have specialized closely on software engineering aspects of machine learning projects. This include handle the full lifecycle of models like developing, deploying and monitoring ML application for production use, building CI/CD pipelines and building end-to-end MLOps cloud solutions.

I run a two node Kubernetes cluster in my basement.

Skills

- Python, PyTorch
- Linux, Shell scripting
- Docker, K8S, GitHub Actions
- Git, AWS, MLFlow, Terraform

Languages

- French (Native)
- English (Professional)
- German (Beginner)

Experience

Since Jan. 2024 MLOps Engineer - Stonal

- Work with a team of AI engineers to **develop, deploy and monitor ML applications at scale** (AWS EKS/RabbitMQ)
- **Handle MLOps topics** like model versioning and reproducibility (MLFlow), provisioning (Terraform), CI/CD (Jenkins then GitHub Actions) and **ML/LLM serving and monitoring** (FastAPI/vLLM/Evidently/Langfuse)
- Design, build and deploy AI components like **semantic search, RAG tasks, text classifiers, vector DBs and internal APIs.**

Oct. 2022 – Dec. 2023 Machine Learning Engineer - Kinetix

- Work with R&D and DevOps engineers to design, build and deploy **ML applications**. This involve the complete switch from a monolith app to a **micro-service approach** (AWS EKS/Terraform).
- **Handle all MLOps related topics**, like CI/CD, GPU/CUDA computation context, experiment tracking and reproducibility, model versioning and retraining strategies
- **Coach R&D engineers adopt good coding practices** by conducting multiple workshops

Sep. 2021 – Sep. 2022 Data Scientist - Yanport

- **Design, build and deploy** an **NLP** system with focus on explainability (**NLTK**, **Spacy**, **PyTorch**, **HuggingFace**)
- Design, build and deploy **new features** on the home value estimate engine (**CatBoost**), with focus on explainability
- Maintain and deploy **data pipelines** and internal scripting
- **EDA** and ad hoc analyses, **interact with** concerned **corporate departments** and make **public presentation** of results

Education

2021 – 2022

    Msc Data Science (IASD) - Paris Dauphine *(Apprenticeship)*

2019 – 2021

    Msc Digital Humanities - CNAM *(Apprenticeship)*

2011 – 2017

    Licence & Master of Philosophy - Paris Nanterre