Edgar Fradejas Rodrigañez

MACHINE LEARNING ENGINEER

Remote from Barcelona, Spain
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Building and deploying **AI/ML services in production**. ML Engineer at Semrush, building ML services on top of time series and web traffic data. Before that, web scraping and data processing at Kompyte, and computer vision for industry and research.

EXPERIENCE

Machine Learning Engineer
Mar 2022 – Present

Semrush (acquired by Adobe, Apr 2026) · Full-time
Barcelona, Catalonia, Spain · Remote

Building ML services on web traffic data: time series analysis and embedding-based clustering for topic aggregation.

`Time Series Analysis` · `Clustering` · `Embeddings` · `Topic Aggregation` · `LLMs` · `Web Traffic Data` · `ML Services`

Machine Learning Engineer
Jun 2019 – Mar 2022

Kompyte (acquired by Semrush, Feb 2022) · Full-time
Barcelona, Catalonia, Spain · Remote

Worked on competitor monitoring software, covering web scraping, anti-captcha, data parsing and processing, and supervising data labeling.

`Natural Language Processing (NLP)` · `Web Crawling`

Machine Vision Programmer
Jan 2018 – Jun 2019

Vision Online S.L. · Full-time
Mataró, Catalonia, Spain · On-site

Automated industrial processes with computer vision, from researching the state of the art to start-up in factories.

`C#` · `Computer Vision`

Research Intern
Jul 2017 – Oct 2017

Computer Vision Center (CVC) · Internship
Greater Barcelona Metropolitan Area · On-site

Research in computer vision and 3D reconstruction.

`Computer Vision` · `Artificial Intelligence (AI)`

KEY FOCUS

Production ML services
Design, build and operate ML systems with real users.

Time series & web data
Embedding-based clustering and topic aggregation on large-scale web and temporal data.

LLM & GenAI applications
Building with LLMs, embeddings and vector databases.

Web crawling & data pipelines
Collect, process and transform data at scale.

MLOps & deployment
Ship, schedule and track models in production.

NLP on web data
Natural language processing on crawled web content.

TECH STACK

Languages	Python, Go, Node.js
ML & Data	TensorFlow, scikit-learn, Pandas/Polars, MLflow, Scraping
LLMs & GenAI	OpenAI API, Hugging Face, Vector DBs
Infra & Cloud	Docker, MongoDB, ClickHouse, Airflow, GCP

EDUCATION

Computer Engineering
Universitat Autònoma de Barcelona · 2014 – 2018
Thesis: 3D object positioning in a sensor-acquired scene

FutureLeaders
ThePower Business School · 2019 – 2020

CERTIFICATIONS

Advanced Solutions Lab · Advanced Generative AI: Deep Dive
Google · May 2024

How Google does Machine Learning
Coursera · Apr 2024

Introduction to Machine Learning in Production
Coursera · Nov 2022

ThePowerMBA
thePower · Feb 2020

LANGUAGES

Spanish	Native
Catalan	Native
English	B2 (Professional)