

# Skender Boughanmi

AI & Quantitative Engineer

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🏠 Narbonne, France

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## PROFESSIONAL EXPERIENCE

### AI & Quantitative Engineer

Amundi - Innovation Lab

London, UK  
07/2025 - present

- Architecting and developing a full-stack AI research platform improving data access, analysis, and decision-making.
- Owned frontend, backend, and AI/ML development using modular micro-frontends and unified APIs.
- Implemented NLP pipelines for document chat, investment recommendations, and real-time sentiment analysis.

### Data Engineer & Quantitative Developer

Amundi - Innovation Lab

Dublin, Ireland / London, UK  
07/2023 - 07/2025

- Designed, developed, and deployed the PM Investment Cockpit, a full-stack analytics app enabling portfolio managers to make data-driven investment decisions.
- Engineered an autonomous data pipeline to ensure efficient data handling and transformation.
- Implemented a multi-factor risk model to conduct detailed factor exposure analysis across various funds.
- Implemented a portfolio optimization tool on equity funds & portfolio construction tool on fixed income funds.

**Key Achievements:** Successfully designed and implemented an autonomous data pipeline that seamlessly processed vast amounts of financial data from multiple sources, onboarding over 2,000 funds and 100,000 instruments.

### Project Management — OTC Collateralisation, CACEIS

Luxembourg, Luxembourg  
03/2022 - 09/2022

- Responsible for onboarding new funds subscribing to CACEIS' collateral management service
- Collaborated closely with various teams to implement improvements and streamline daily operational processes.
- Participated in customer testing sessions during the rollout of new services.

**Key Achievements:** Successfully onboarded multiple funds during the Amundi acquisition of Lyxor, facilitating a seamless transition from SGSS to CACEIS for collateral management.

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## EDUCATION

### MSc International Finance — Financial Market,

EDHEC Business School

Nice, France  
2022 - 2024

- **Relevant coursework:** Fixed Income and Derivatives, Portfolio Management, Corporate Finance, Accounting, Data Science with R, Python in Finance, and Machine Learning in Finance.
- **Master project:** Portfolio Insurance Strategies: OBPI Versus CPPI

### Exchange Semester

Sogang University (서강대학교)

Seoul, South Korea  
02/2021 - 07/2021

- **Relevant coursework:** Big Data / Business Intelligence, Financial Management, Investment, Business Statistics, and International Business.

### BSc Management — International Sales

Toulouse Business School

Toulouse, France  
2019 - 2022

- **Relevant coursework:** Practical aspects of International Trade, International Sales, International Human Resources Management, Corporate Finance, and Financial Markets.

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## SKILLS AND LANGUAGES

**Programming:** Python, VBA, Pyspark, R, SQL, Linux, Docker, Git, React

**Data Engineering:** Dagster, Trino, Deltalake, Superset, S3, Django

**Financial:** Multi-Factor Risk Models, Portfolio Optimization & Simulation

**Soft Skills:** Leadership, Project Management, Critical Thinking, Communication, Team Collaboration

**Language:** English (Fluent), French (Native), Spanish (Basic), Arabic (Basic)