# Victor Nitu

*AI Software Engineer*

LU & CA

victornitu.com

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## 🌐 Languages

**French:** *C2*, **English:** *C1*,
**German:** *B2*, **Dutch:** *B1*,
**Spanish:** *A2*, **Russian:** *A1*

## 🧠 Skills

**Artificial Intelligence**
*AI Agents, Prompt Engineering, GraphRAG, Model Fine-Tuning*

**Software Development**
*Rust, Go, Python, JavaScript*

**Ethereum Smart Contracts**
*Hardhat, OpenZeppelin, Ethers*

## 📇 Certificates

**Big Data Analysis with Scala and Spark** ☐
*EPFL: 08/02/2020*

**Scalable Machine Learning on Big Data using Spark** ☐
*IBM: 04/05/2020*

**Professional Scrum Master** ☐
*Scrum.org: 09/10/2016*

## 💼 Work Experience

**AI Software Engineer,** *IMTF Group* ☐
2025/01 – present | Zurich, Switzerland
- Developed **AI Agents** to **detect anomalous behavior** in financial transactions using a **Knowledge Graph** built with **Neo4j** and **open-source Large Language Models** for **Anti-Money Laundering** (AML).
- Engineered a **financial synthetic data generator** to simulate **fraudulent behaviors**, including **Money Mule** scenarios.

**AI Software Engineer & Smart Contract Developer,** *Noumena Digital AG* ☐
2023/01 – 2024/12 | Zug, Switzerland
- Developed **AI Agents** using **Azure OpenAI** and **Amazon Bedrock** to **fine-tune Large Language Models (LLMs)** and create **knowledge bases** for **Retrieval-Augmented Generation (RAG)**.
- Developed **Ethereum Smart Contracts** in **Solidity** for stablecoins using **OpenZeppelin ERC20 contracts,** with **L2** integration via **Arbitrum**.
- Integrated Noumena **SaaS products** into the **Azure** and **AWS marketplaces** with custom billing dimensions using **Kotlin**.

**Lead Data & Software Engineer,** *Phi Skills* ☐
2019/09 – 2022/12 | Luxembourg, Paris, London
- Built an **event-driven data engineering platform** using **Elixir**, **Phoenix**, **Ecto**, **Postgres**, and **Redis**.
- Designed and implemented **Ethereum Smart Contracts** in **Vyper** to facilitate secure **ERC20** transactions between clients and contractors using **OpenZeppelin-based ERC721 tokens** for document certification.
- Developed a marketplace **virtual stock management solution** using **Go** for **Shopify data management** and **TensorFlow** for **automated product categorization** and **content generation**.
- Led engineering teams across France, the UK, and Belarus to create **Shopify Apps** using **React** and **Typescript**, managing over **40 Shopify e-commerce sites** for a Paris-based **Shopify Plus** agency.

**Lead Software Engineer (Kafka, Scala, React),** *VVF Luxembourg* ☐
2016/09 – 2020/02 | Luxembourg, Paris, Santiago de Chile

**Software Engineer (Scala & React),** *KPMG Luxembourg* ☐
2015/09 – 2016/08 | Luxembourg

**Software Developer (Objective-C++ & OpenCV),** *VVF Luxembourg* ☐
2014/02 – 2015/08 | Luxembourg, London

## 🎓 Education

**Cyber Security Essentials,** *Jedha Bootcamp* ☐
2021/10 – 2021/10 | Paris, France
**Tooling:** Kali Linux, Nmap, Metasploit, Wazuh - **Scripting:** Bash, Python

**Full Stack Data Science,** *Jedha Bootcamp* ☐
2019/05 – 2019/08 | Paris, France
**Machine Learning:** Scikit-learn, Fastai, TensorFlow - **Big Data:** PySpark

**Bachelor in Information Technology,** *Haute Ecole Léonard de Vinci* ☐
2012 – 2014 | Brussels, Belgium
**Artificial Intelligence:** Scala - **3D Development:** C++ - **Architecture:** Java