

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
Prompt Engineering, RAG,
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

Professional Experience

AI Software Engineer & Smart Contract Developer, *Noumena Digital AG*
2023/01 – present | Zug, Switzerland

- Integrated Noumena **SaaS products** into the **Azure** and **AWS marketplaces** with custom billing dimensions using **Kotlin**.
- 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**.

Lead Data & Software Engineer, *Phi Skills*
2019/09 – 2022/12 | Luxembourg, Paris, London

- Developed a **virtual stock management solution** for an ethical marketplace using **Go** for **Shopify data management** and **Python** with **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.
- Created an **event-driven data engineering platform** using **Elixir**, **Phoenix**, **Ecto**, **Postgres**, and **Redis**.
- Designed and implemented **Ethereum Smart Contracts** in **Vyper** to facilitate secure transactions between clients and contractors using **OpenZeppelin-based ERC721 tokens** for document certification.

Lead Software Engineer, *VVF Luxembourg*
2016/09 – 2020/02 | Luxembourg, Paris, Santiago de Chile

- Python & Kafka:** Event-sourced 3D printer orchestration platform
- Scala & React:** B2B content and marketing management platform
- Node.js & Angular:** B2B e-commerce platform for industrial stainless steel

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

Bachelor in Computer Science, *Université Libre de Bruxelles*
2009 – 2012 | Brussels, Belgium

Embedded: C/C++ - **Algorithmic:** Python, Smalltalk - **OS:** Linux, Bash