Hugo Perier

Software Engineer

✉ hugo.perier@protonmail.com
🏠 Geneva - Switzerland
📅 26 years old
📱 +33 601-442-130
🔗 https://hugosoft.dev/

With 6+ years of experience, I build high-quality, maintainable software using clean architecture, SOLID principles, and test-driven development. I focus on delivering the best solutions to meet business needs.

Education

Epitech Graduate Diploma in Information Technology — EPITECH Lyon

From October 2016 to June 2021

Master's degree in computer science (5 years)

Master of Computer Science — Korea University South Korea

From September 2019 to June 2020

Year of specialization in software development, data science and artificial intelligence

Work experience

Software Developer — CERN Geneva

From September 2020 to February 2025

BE-CEM-MRO - Robotic Section
Development of the CERN Robotic Human robot interfaces, utilized to oversee CERN's robot operations within the accelerator. Creation of the mixed reality user interface for real-time robotic control using Unity.

EN-IM-PLM - PLM Section
Developed a C# .NET console application for real-time CAD transformations, distributed across a computing cluster as part of the new CERN Product Lifecycle Management (PLM) platform. Led the migration from Apache Hadoop to Kafka, reducing CAD conversion times from several hours to just a few seconds.

Full Stack Developer — Hugosoft France

From March 2020 to September 2020

Working as a Freelance, I've worked on several small scale projects as a Full Stack Developer

Languages

French

English

Spanish

Computer skills

Javascript / Typescript
React, Vue, Next.js, Node.js, Deno, Three.Js

C#
WPF, Web Services, API, Console Applications, Unity Digital Twin

Python
Data Science, TensorFlow, OpenCV, Panda, NumPy, Web Scrapping, Bs2, ROS2

C/C++
I've applied C/C++ skills in diverse projects, including multithreading and communication protocols for both work and school.

DevOps
Docker, Portainer, Kubernetes, Linux, Windows, Bash, Powershell, CI/CD, Gitlab, Github

Interests

Technology

Programming

Aeronautics
I pilot small aircrafts (PPL)

Sport
Martial arts, Ski, Hiking

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