

Valentin Dufois.

Senior Software Engineer

Experiences

Webisoft

Montreal — 2024 - Today

Lead developer on multiple client projects in parallel, each with a dedicated team of developers. Full ownership of architecture and database design. Domains: Web3/crypto, automotive sales analytics, offshore energy.

Django, PHP/Laravel, TS/React, Solana, PostgreSQL

Neo-OOH (Quebecor Media)

Montreal — 2020 - 2024

Sole engineer. Designed, built, and maintained the company's entire internal platform from scratch: stack selection, architecture, database schema, UI, and deployment. The platform grew into the central tool used daily by all teams for broadcast scheduling, inventory management, sales planning, and contract monitoring. Integrated with 5+ third-party platforms.

PHP/Laravel, TS/React, PostgreSQL, MySQL, Nginx

Freelance / Art Collective

2018 - 2020

Interactive installations; Live VJing performances

Projects

AutoTrader

2026 - Today

Algorithmic trading platform built on Interactive Brokers. 13-service microservices architecture. Backtesting engine, Bayesian parameter optimization (Optuna), 11+ trading algorithms, real-time WebSocket monitoring dashboard.

PHP/Laravel, Python/FastAPI, TS/React, PostgreSQL, Redis, Docker Compose

Interactive installations

2018, 2019, 2020

Design and production of three interactive art installations with the Prisme collective (multi-sensor human tracking, real-time speech analysis, conversational AI).

TouchDesigner, Python, C++

Education

Master's degree in digital arts

UQAT — Quebec — 2018 - 2020

Design and production of digital and artistic projects; reception theory; cross-platform development;

Engineering degree

École ESIFE — France — 2016 - 2020

Software development; web development; digital project management; mathematics;

Skills

Backend

PHP/Laravel, Python (Django, FastAPI), Node.js, PostgreSQL, MySQL, Redis

Infrastructure

Docker, Docker Compose, CI/CD, DigitalOcean, Nginx, Linux

Frontend

TypeScript, React, Vite, HTML/CSS

Other

Web3/Solana, Stripe, XState, C/C++, OpenGL, Swift, Git

Interests

Photography; Digital arts; Writing; Sports

+1 (819) 880-0897 · valentin@dufois.fr

English & French

github.com/valentin-dufois · linkedin.com/in/valentindufois

valentindufois.fr