OLEG POPOVSKIY

Senior Full-Stack & Product Engineer | Systems Architect (0-to-1, Web, AI & Automation)

Antibes / Sophia-Antipolis, France (Hybrid / Remote) | Driving licence B, A2 (own vehicle)

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Languages: French (Bilingual - C2) | Russian (Native) | English (Fluent professional - B2/C1)

PROFESSIONAL PROFILE

Engineer with a double degree from **École Centrale de Lille** and **MIREA (Information Systems Engineering)**, with **more than 9 years of experience** in Full-Stack software development, systems architecture and digital product creation.

Driven by a **systems approach (First-Principles Thinking)** and a **deeply multidisciplinary profile**, I bridge pure software engineering (back-end architectures, data infrastructure, DevOps), interactive user experience (modern front-end, visual design) and emerging technologies (AI automation, multimedia systems and hardware prototyping). This cross-cutting vision allows me to design, integrate and deploy complex products end to end (**0-to-1 / MVP**) with a high degree of learning and execution autonomy.

Motivated by solving concrete problems and by teamwork, I am looking for high-impact projects where technology addresses real human, infrastructure, health or environmental challenges.

TECHNICAL SKILLS & STACK

- **Front-End & UI/UX Engineering:** TypeScript, JavaScript (ES6+), Vue.js (Vue 2/3), Nuxt 3 (SSR/SSG), React.js, Angular, Tailwind CSS, Bulma, HTML5/CSS3, Performance optimisation (Core Web Vitals) & technical SEO.
- **Back-End & System Architecture:** Golang (Go), Node.js, Python, RESTful API design, Microservices, CLI tool development, Aggregation and migration of critical data.
- **Data, CMS & Infrastructure:** PostgreSQL, Relational (SQL) & NoSQL databases, Directus (Headless CMS), WordPress (Headless & Custom architecture), Docker, Linux / Bash, Git, CI/CD (GitLab CI, GitHub Actions).
- **Applied AI, Media Tech & R&D:** Integration of AI / LLM models (Ollama, ComfyUI generative workflows), Content processing automation, Interactive and multimedia systems (TouchDesigner, DaVinci Resolve, MIDI/Audio routing).
- **Methodologies, Product & Consulting:** 0-to-1 design, Rapid prototyping, Agile / Scrum, Code review, Technical documentation (Notion), Visual identity definition, Strategic consulting and client project management.

PROFESSIONAL EXPERIENCE

Independent Consultant — Product & Full-Stack Engineer (0-to-1 Architecture)

April 2023 – Present | Antibes, France

Fully autonomous design, architecture and deployment of custom web platforms, digital tools and digital strategies for B2B/B2C clients, from ideation to production.

- **Modern Full-Stack Development:** Design of high-performance web applications based on **Nuxt 3 (Vue.js), TypeScript, Tailwind CSS** coupled with the **Directus** Headless CMS, **WordPress** and **SQL** databases.
- **Infrastructure & DevOps:** Full containerisation of environments with **Docker**, server configuration (**Linux**), setup of **CI/CD** pipelines, technical support and hosting optimisation.
- **Automation, SEO & AI Workflows:** Automation scripts for content processing, technical search engine optimisation (**SEO**) and experimentation with AI-assisted pipelines.
- **Product Consulting, Brand Identity & Full-Cycle Visual Creation:** Strategic support for clients, definition of brand visual identity and end-to-end production of text and visual content (photo and video from framing and shooting to advanced colour grading in **DaVinci Resolve** and the **Adobe PS/LR** suite) for the web, social networks, events, weddings and product presentations.

SeqOne Genomics — Full-Stack Software Engineer (HealthTech / Bioinformatics)

August 2021 – June 2023 | Montpellier, France (Hybrid)
Development, within a product team, of a high-criticality medical SaaS platform for clinical genomic analysis.

- **Back-End Engineering & Migration:** Design and development of robust APIs in **Golang (Go)**, including refactoring and migration of critical services from other languages to Go to improve maintainability and runtime performance.
- **CLI Tools & Data Pipelines:** Development of command-line tools (**CLI**) for the export, bulk import and secure migration of medical and genomic data.
- **Front-End Development:** Design of new user interface features with **Angular (2+)** and **TypeScript** for the visualisation and exploitation of complex clinical data.
- **Quality & CI/CD:** Setup and optimisation of continuous integration and deployment processes (**CI/CD**, **Git**), documentation (**Notion**) and collaboration in an Agile methodology.

ALTRAN (Capgemini Engineering) — Full-Stack Software Engineer

July 2017 – August 2021 | Sophia-Antipolis / Biot, France (Hybrid)
Full-Stack development of high-traffic consumer applications and internal analytics tools for major international accounts (**Orange** and **Amadeus**).

- **Modern Front-End Engineering:** Development of modular, responsive and scalable interfaces with **React.js, Vue.js / Nuxt, Bulma** and **TypeScript / JavaScript** in an Agile environment.
- **Back-End & Data Aggregation:** Design of back-end services in **Golang** and **Node.js** dedicated to collecting, aggregating and processing large-scale application usage statistics.
- **Teamwork & Standards:** Quick integration into multidisciplinary teams, maintaining high software quality standards (**Git, CI/CD, Notion**) and technical coordination.

ADEO Group — Full-Stack JavaScript Developer

June 2016 – November 2016 | Ronchin (Lille), France
Development of an internal technical platform dedicated to monitoring and administering a fleet of enterprise databases.

- **Client-Server Architecture:** Full-Stack development in **JavaScript (Node.js, Angular 1.x)** to centralise access management and database administration.
- **Observability & Monitoring:** Creation of technical dashboards for real-time visualisation of statistics, event logs, errors and infrastructure health.

Photographer & Independent Visual Creator (alongside studies)

2012 – 2017 | Lille, France

- Professional studio photography, event coverage, weddings and portraits, as well as digital post-production (**Adobe Photoshop / Lightroom**).

PERSONAL R&D PROJECTS & EXPERIMENTAL ENGINEERING

Beyond corporate code, my curiosity constantly drives me to explore, take apart and build in my free time. These personal projects reflect my learning autonomy and my cross-disciplinary engineering approach:

- **Sound, Music & Generative Visuals:** Classically trained musician (trumpet, French horn) — winner of numerous young musicians' competitions in Moscow and participant in local, national and international festivals with orchestras (2000–2008). Passionate about electronic music (EDM), I explore sound production in **Ableton Live** (**VST** chains, **MIDI** routing, synthesis) and the creation of real-time interactive visuals with **TouchDesigner**.
- **DIY Electronics, Lighting & Fabrication:** Enjoying working with my hands and connecting code to the physical world — design of custom lighting systems (**ESP32, WLED** microcontrollers, light flow control), electronics soldering, 3D modelling (**FreeCAD**), mechanics and bicycle modification.
- **Image, Cinema & Sport:** Mastery of the entire visual creation cycle (photo/video capture, lighting, editing and colour grading in **DaVinci Resolve** and **Adobe PS/LR**). Prize winner in the *"Student Press"* category at the *Moscow Student Creativity Festival 2013*. Regular practice of freediving, cycling and strength training.

EDUCATION

- **École Centrale de Lille** — *Engineering Degree (Master's Degree)* | **2017**
  - International double-degree excellence programme in general and systems engineering.
- **Moscow Technological University (MIREA)** — *Engineering Degree (IT Faculty)* | **2015**
  - Specialisation: **Information Systems Engineering** (Software architecture, algorithmics, databases).