



Nicolas TANDÉ
1985 – 37 years old
French
Driving licence



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<https://www.nittch.fr>

Senior Software Developer

C++ expert – Agility

I'm looking for a job which could merge creativity and innovation into production realities. In my opinion, Agility is a solution for this problem, forcing us to introspect and adapt our plans continuously, blending research and development at every cycle. Regarding teamwork, it's a key element especially with enthusiasts from different specialities. I have a good general knowledge in computer sciences (software development, operating systems, infrastructures, network...) and I'm easily interested in any new challenge.

Professional Experiences

DxO Labs

2016 – 2023

- Technical lead Correction Engine
 - › Technical referent (about 10 persons) about various topics (design, quality, performances)
 - › Manager of 5 persons, including new hires
 - › Technical advices to Product Owner : risk evaluation, feasibility studies
 - › Technical advices to Quality Assurance : test pyramids, agility, repeatability, exploratory testing

2014 – 2023

- C++ / Python software developer
 - › Developing image correction engine, used in all DxO products
 - › Agile environment / SCRUM (introspection, looking for feedbacks)
 - › Modern C++ (C++17, CMake, Visual Studio, Xcode) and Python
 - › Design : C++ expert, non ambiguous APIs, working with legacy code, code reviews, knowledge sharing
 - › Quality : Continuous Integration, tests, processes repeatability
 - › Performances : engine and image processing algorithms, multithreading, benchmarks

Eikeo

2009 – 2014

- C / C++ / Linux software developer
 - › C++ development (video and data network transport middleware)
 - › Embedded C development (FreeRTOS), C++ development (eCosPro, Linux) : I²C, SPI, GPIO...
 - › Linux embedded integration (OpenWRT / OpenEmbedded)
 - › Linux system and network administrator


Mobile Devices Ingenierie

2008 – 2009

- Java / C++ development
 - › Communication code generation

Internships

2008

- 6 months – B2i  – C / C++ / Linux kernel development

2006

- 4 months – WaveStorm  – C / Python development

Studies

Épita

2003 – 2008

- Engineering degree – Real Time System specialization

Personal Experiences

- since 2020*
- Les Eiders Implacables ✈️
 - Technical team
 - › Bibliographic studies about DCS World flight simulator (community, wikis...)
 - › Thematic training sessions organization to progress together in flight simulation
 - › Website creation (Hugo, Markdown, Javascript)
- since 2015*
- Association Cumulogranite ☁️
 - Technical team
 - › 7 nodes (Ubuntu) cluster setup
 - › Configuration management (SaltStack, Git)
 - › VPN Overlay between nodes (OpenVPN + Wireguard backup via Bird / OSPF)
 - › Mails management (postfix, dovecot, amavis, sympa) in Master / Master High Availability (HA)
 - › Highly Available web hosting (HA) (nginx, HAproxy, mariadb+Galera cluster, PHP)
 - › Security (DNSSEC, OpenSSL x509, Backups)
 - › Supervising and monitoring (Icinga with Nagios probes, Python scripting)
- 2011 – 2014*
- Association Franciliens.net 📡
 - Technical team
 - › DSL lines management (L2TP, Freeradius)
 - › VPN service prototyping (OpenBSD, OpenVPN)
 - › Mails (OpenBSD, postfix)
 - Treasurer (1 year)
 - › Invoices (ERP Dolibarr, scripting)

Hobbies and interests

- since 2023*
- Digital hobbies 🖥️
 - Creating a blog (<https://www.nittch.fr>) to document my hobbies
 - Virtual Reality and immersive technologies
 - › Social virtual reality (VRChat)
 - › Passionate about virtual visits and musical experiences
 - › Conception in Unity / Blender / Photoshop
- since 2020*
- Simulation
 - › Flight simulation (DCS World)
 - › Racing simulation (Automobilista 2)
 - Home simulation cockpit creation
 - › Aluminium profiles, 3D printing, electronic
 - › Haptic and immersive feedbacks
 - › Conception in Fusion 360
- since 1998*
- Interests 📖
 - Computer Sciences
 - › Operating Systems
 - › System and network administration
 - › Video games
 - Others
 - › Aeronautics
 - › Motorbikes
 - › Photography