♟ Nicolas Tandé
1985 – 38 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

since 2024

Thales LAS AMS ✈
- C / C++ Expert Software Developer
  > TopSky ATC Air Traffic Control solution
  > Datalink Component

2016 – 2023

DxO Labs 📷
- 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
  > Developping 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

2009 – 2014

Eikeo ▶
- 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

2008 – 2009

Mobile Devices Ingenierie 🚚
- Java / C++ development

Studies

2003 – 2008

ÉPITA : School of Engineering and Computer Science 🎓
- Engineering degree
  > Specialization : Real Time Systems
  > With high honours

Personal Experiences

Les Eiders Implacables ✈

since 2020

- 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)

Association Cumulogranite ☁

since 2015

- Technical team
  - › 7 nodes (Ubuntu) cluster setup
  - › Configuration management (SaltStack, Git)
  - › VPN Overlay between nodes (OpenVPN + Wireguard backuped 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)

Association Franciliens.net ⬇

2011 – 2014

- 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

Digital hobbies 🖥

since 2023

- 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

Interests ☕

since 1998

- Computer Sciences
  - › Operating Systems
  - › System and network administration
  - › Video games

- Others
  - › Aeronautics
  - › Motorbikes
  - › Photography