



CORNELIE NATHAN

SOFTWARE ENGINEER

PROFILE

Recent graduate with a Master's degree in Computer Science, passionate about software development. Actively seeking a Software Engineer position in Switzerland to leverage my skills in programming, software architecture design, and innovative technology solutions.

SKILLS

Technical

- Development :
 - JavaScript, Express, Vite,
 - FastAPI, NodeJS, .NET
 - Java, Spring Boot
- VueJs, TypeScript, ReactJS
- DevOps
 - Docker, Ansible, Python, Azure

Soft

- Project Management
- Teamwork
- Curiosity and Self-Learning

Languages

- English (B2 TOEIC)
- French (Native Language)

CONTACT

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EDUCATION

Master's Degree in Computer Science Engineering

Télécom Nancy, France | September 2021 - August 2024

- A program specializing in Cybersecurity and DevOps, providing in-depth knowledge of the importance of integrating security into development processes:
 - Application Security
 - Networks and Systems
 - Automation Pipelines
 - Script Development

Scientific Preparatory Classes

Lycée Baimbridge, Guadeloupe | Sept 2019- Juin 2021

Specialized in Physics and Engineering Sciences:

- First Year: PCSI (Physics, Chemistry, and Engineering Sciences)
- Second Year: PSI (Physics and Engineering Sciences)

WORK EXPERIENCE

Internship - Cloud DevOps Engineer

Excellium, Luxembourg | March 2024 - August 2024

- Created automation scripts using **Ansible**.
 - Configured client and server VPN instances.
 - Added firewall rules and developed **Azure DevOps** pipelines to secure Docker images.
- Built a full-stack application with **ReactJS** (TypeScript) and **NodeJS**.
- Developed Python tools to identify errors in firewall configuration files and generate reports.

Internship - Developer

BIAC Log SA, Luxembourg | June 2023 - August 2023

- Developed custom application pages for a Luxembourg-based company using VueJS and TypeScript.
- Enhanced an API to meet page requirements using the .NET Framework in C#.

PERSONAL PROJECTS

Full-Stack Development of a Messaging Application

- Developed a messaging application with audio and video call features.
- Used ReactJS for the frontend and NodeJS with ExpressJS for the backend.

Stock Management Application

- Built an application for stock management, invoice creation, and client/user management.
- Used VueJS for the frontend and Java Spring Boot for the backend.

Sudoku Solver

- Solved competition-level Sudoku grids using advanced techniques (non-brute force).
- Generated solution steps for better understanding.
- Developed Backend in Go and Frontend in VueJs

Development of a CTF Hacking Platform

- Designed and implemented a Capture The Flag (CTF) platform for hacking challenges.
- Backend developed in Go, frontend built with VueJS, and MariaDB used for database management.
- Focused on scalability, security, and user-friendly design to enhance learning and competition experiences.