

Bilal Akliai

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Looking for a software engineering position (Python or Web), available from August 2025

I am looking for a **software engineering position** — preferably involving **Python** or **web development with UI/UX focus**. I enjoy building **clean, efficient**, and **user-friendly** tools. My background in **cybersecurity** (double degree) gives me an added ability to work in **critical and security-aware environments**.

Education

Université Grenoble Alpes	Grenoble, France
Double degree in Cybersecurity (M2 CySec)	2024–2025
Grenoble INP - Ensimag	Grenoble, France
Engineering degree in Information Systems	2022–2025
Lycée Masséna	Nice, France
Preparatory Classes MPSI/MP*	2019–2022

Experience

EDF - Cybersecurity Intern	Marseille, France
Securing and Virtualizing Maintenance Terminals	Feb 2025 – Jul 2025
<ul style="list-style-type: none">Virtualized Windows environments using QEMU and managed with VMware ESXi for secure use in industrial settingsHardened Windows 10 systems by configuring local security policies, registry settings, and restricting unnecessary components	
University of Tsukuba - Research Internship	Tsukuba, Japan
High-Performance k-NN Search for Large Datasets	May 2024 – Aug 2024
<ul style="list-style-type: none">Designed a Python library to accelerate k-nearest neighbors search using optimized data structures.Achieved substantial speed improvements, enabling high-performance similarity search	

Projects

DevoirsAI (2024–2025): Web app with **10K+** users for generating assignments, flashcards, and summaries from PDF or photo input. Built with **Next.js**, **TypeScript**, and **PostgreSQL**. Available at devoirs.ai.

2048 Game (2024): A fully functional 2048 clone built with **Python (PyQt6)**. Custom GUI and responsive gameplay.

Pixel Art Editor (2024): Desktop app built with **Python (PyQt6)** to create pixel art. Includes dynamic canvas, color palette, zoom/pan, export to PNG, and full mouse/keyboard controls.

Deca Compiler (2023–2024): **Java**-based compiler for the Deca language with lexical/syntax analysis, semantic checks, optimizations, and code generation for a virtual IMA machine.

Skills

Languages: **Python** (PyQt6, PySide6, Tkinter), **C++**, **Java**, **JavaScript/TypeScript**, **HTML/CSS**
Frameworks: **React**, **Next.js**, **Tailwind CSS**
Tools: **Git**, **Docker**, **QEMU**, **VMware ESXi**, **PostgreSQL**
Environments: **Linux**, **bash** scripting

Languages & Interests

Spoken Languages: French (native), English (TOEIC 895/990), Spanish (B1)
Personal Interests: **Programming** challenges, **UI/UX design**, football