Tony Blondeau NYA
Software Engineer

Full Stack Software Engineer with 5+ years of experience building scalable web applications, REST APIs, and microservices in the e-commerce, and consulting industries. Skilled in backend architecture, frontend integration, and DevOps workflows. Experienced with async development, automated testing, and clean API design. Worked internationally across France, Canada, and Africa, delivering client-specific software solutions. Comfortable in freelance, remote or on-site roles.

WORK EXPERIENCE

Software Engineer   *Freelance*

Remote   January 2023 - Present

- **Delivered** a bilingual glossary application for disruptive technologies (AI, Big Data, Blockchain) by architecting the full-stack UI, REST API, and admin dashboard, enabling an international linguist to present a successful PhD thesis at Dalhousie University, Halifax Canada, with an **80% approval rating**.

- **Built** and **deployed** a secure e-commerce platform with a FastAPI backend, role-based dashboard, and responsive UI/UX, driving operational efficiency and contributing to a **20% increase in apartment reservation rates**.

- **Developed** a high-conversion car-sales platform with optimized search, filtering, and admin controls, transforming WhatsApp-based leads into structured workflows and achieving a **35% client conversion rate**.

Open Source Developer   *All In Open Source by GitHub*

Remote   November 2023 - February 2024

- Contributed to multiple community-driven open source projects by resolving issues, reviewing and submitting pull requests, and leading hackathon teams to deliver high-quality prototypes, strengthening project maintainability and improving collaborative development practices across the program.

PROJECTS

GloTechT   [Live]

English-French glossary app for disruptive technologies (Big Data, AI, Blockchain) for a PhD linguistics researcher at Dalhousie University, Halifax Canada.

- Designed a REST API with Flask and SQLite for the GLOTECHT glossary application
- Implemented an admin dashboard with authentication system for CRUD operations on 250+ terms
- Implemented features to download the database of the terms in XML, CSV
- Designed and implemented a graphical user interface (GUI) for searching

CONTACT DETAILS

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(+237) 697 79 88 53
[Link to my LinkedIn]
[Link to my GitHub]
[Link to my Portfolio]
Douala, Cameroon (open to relocate)

TECHNOLOGIES

Languages:
Python (5+ yrs)
JavaScript (3+ yrs)
C/C++ (1+ yr)

Frameworks:
FastAPI, Flask, Django, Node.js, Express.js, React, Angular, Vue, Tailwind, Bootstrap

Databases:
MongoDB (3+ yrs)
PostgreSQL (2+ yrs)
SQLite (2+ yrs)
Firebase (1+ yr)

DevOps Tools:
Docker (1+ yr)
Git (3+ yrs)

Cloud:
Firebase (1+ yr)
Basic experience with AWS, Render, & Vercel

CERTIFICATIONS

**AI Career Essentials,
ALX & Holberton School**
Apr. 2024

**JavaScript DSA
freeCodeCamp -** *Apr. 2024*

**All In Open Source Contributor,
GitHub -** *Feb. 2024*

**Responsive Web Design,
freeCodeCamp -** *Jan. 2024*

**Learn Intermediate TypeScript,
Codecademy -** *Apr. 2023*

**Front-End Web Development,
SAYNA Academy -** *Nov. 2022*

Problem Solving

terms based on several criteria, with a debouncing feature

Tech Stack: Python/Flask, SQLite, SQLAlchemy, Tailwind, JavaScript

Abibi Meublés   [Live](#)
Full-stack for managing furnished apartments

- Designed and developed an application for presenting and managing these apartments.
- Built a modern graphical user interface (GUI) with a booking system
- Develop a robust backend with a secure API, and a role-based CRUD booking management dashboard.

Tech Stack: Python/FastAPI, SQLite, SQLAlchemy, Tailwind, React

AlgoAlchemy   [Source](#) | [Live](#)

Clever mix of Data Structures and Algorithms (DSA) with Algorithm visualization platform for data structures like BSTs, Stacks, and Hash Maps.

- Built interactive visualizations with D3.js and custom animations
- Developed Flask API for rendering and running algorithm logic
- Build an API to implement, practice, and use some DSA in context.
- Implemented Hashmap, Binary Search Tree, Stack, Queue, Linked List in Python and used them in the context of an API to CRUD blog posts and users.

Tech Stack: React, Vite, Tailwind CSS, D3.js, Python, Flask

EDUCATION

AI Certificate
ALX Africa & Holberton School, AiCE (AI Career Essentials)
Remote

Software Engineering (Back-End Specialization)
ALX Africa & Holberton School, 12-month Software Engineering Certification
Remote

Front-End Certified
Sayna Academy, 6-month Front-End Engineering Certification Training
Remote

Bachelor Degree in Computer Science
Siantou Higher Institute (Dschang University)
Cameroon, Yaounde

LANGUAGES

French – Native
English – Intermediate (Working)