

SOUMANOU Nabil

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Skills

Languages: C/C++, Dart, JavaScript, Typescript, SQL, Python

Technologies & Tools: MySQL, PostgreSQL, Firebase, Flutter, React, Nextjs, Nodejs, NestJS, Prisma, Git

Operating Systems: MacOS, Linux (Ubuntu), Windows

Experience

PAL (CodeLab), Abomey-Calavi

September 2024 - Present

Software Engineering Intern

- Develop and Maintain Minfo mobile application, implement new features and optimizing performance
- Manage deployment on Play Store and AppStore
- Maintain and enhance Minfo web admin dashboard
- Develop Pal Learning, an educational platform to facilitate online teaching and learning
- **Flutter, Dart, Nextjs, React, Typescript**

Caisse Codes, Abomey-Calavi

January 2024 - July 2024

Software Engineering Intern

- Developed RST, a Flutter-based desktop software, enhancing management and monitoring of the company's core business (Adogbê).
- Improved data analysis efficiency by over 90% by integrating a Flutter-based filtering tool in RST, utilizing Prisma Filtering Process.
- Strengthened data security by developing a NestJS server with authentication and authorization systems for RST software.
- Implemented an SQL-based forecasting module in RST to predict product purchasing needs based on customer activity levels.
- **Flutter, Dart, NestJS, TypeScript, Prisma, PostgreSQL**

HERIS Afrique, Cotonou

July 2023 - September 2023

Software Engineering Intern

- Developed AuscuRoute, a Flutter-based desktop application for visualizing and storing AI-processed road degradation data.
- **Flutter, Dart**

JackieSarl, Cotonou

July 2023 - September 2023

Freelance Developer

- Built a local management website to improve sales and employee productivity for the company's business line.
- Developed a Node.js server with authentication and authorization systems to ensure data security.
- **React, TypeScript, Tailwind CSS, Node.js, MySQL**

Astra Horizon, Cotonou

July 2022 - September 2022

Software Engineering Intern

- Contributed to Clean4City development, accelerating app development progress by 40%.
- **Flutter, Dart**

Education

IFRI-UAC

January 2020 – December 2024

Bachelor Degree

Relevant Coursework: Object Oriented Programming, Databases, Discrete Mathematics, Probability, Inferential Statistics, Numerical Sequences, Function Sequences, Mathematical Analysis, Computer Logic, Data Structures and Algorithms, Operating Systems, Computer Networks, Advanced Data Structures and Algorithms, Image Processing

Projects

- **ARMap** (In Progress): Creating an innovative mobile navigation application integrating augmented reality (AR) with Google Maps.
Flutter, Dart
- **Together** (2023): Developed a chat application for classmate communication.
Flutter, Dart, Firebase
- **Chat** (2022): Created a chat website for classmate communication.
HTML5, CSS3, JavaScript, jQuery, PHP, MySQL
- **Anagram Generator** (2022): Developed a C++ program to generate anagrams of words using memory allocation and factorial calculations. C++
- **Number Base Converter** (2022): Implemented a C++ program for converting numbers between bases 2, 8, 10, and 16. C++

Learning (In Progress | To Start)

- Machine Learning
- Rust
- MongoDB
- AWS
- Docker