

# BORHOUL SOGUELNI MALACHIE

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## SKILLS

- Flutter | Dart | Bloc | Provider | C# | .NET | JavaScript | Node | Express | React | Python | Django | MySQL | PostgreSQL | NoSQL | Php | Codeigniter | WordPress
- Git | BLoC Pattern | SOLID Principles | Clean architecture | TDD | Terraform | Docker | Kubernetes | CI/CD | Unit Testing | Agile Scrum
- Mobile Development | Full Stack Development | English, French

## EXPERIENCE

### Terraform Challenge Participant

HashiCorp User Group

Yaounde, Cameroon 08/2024-09/2024

- Actively participating in a 30-day Terraform challenge organized by HashiCorp User Group - Yaoundé.
- Engaged in hands-on labs and real-world scenarios to master Terraform skills.

### Software Engineer

Africa Lead Corporation

Garoua, Cameroon 12/2022-08/2024

- Developed a salon booking mobile application using **Flutter**, incorporating **TDD**, **Bloc**, and **Clean Architecture**. The app features advanced functionalities such as subscription verification via QR code and push notifications. I also set up a **CI/CD pipeline** using **Azure DevOps**, which streamlined the development process and significantly reduced production time by 50%, ensuring seamless interaction with a **REST API**.
- Spearheaded the development of a Mission Tracking Management API within the enterprise, utilizing advanced technologies such as **Docker** for containerization and **Kubernetes** for orchestration. Leveraging **Node.js** and **PostgreSQL**, I successfully integrated diverse technical components, which resulted in a 50% reduction in deployment time and a 30% improvement in system reliability.
- Participated in a mission to gather information for creating a school management application, actively contributing to the analysis and design phases. I also developed a complete end-to-end admissions module using **Django REST API** for the backend and **React.js** for the client side. All applications were containerized with Docker and integrated into a **Continuous Integration** pipeline to **Azure DevOps**, with **Continuous Delivery** to a server. This ensured smooth integration between backend and frontend components, while enhancing deployment and version management.
- Developed a project management application using **.NET**, with **ASP.NET Core Web API** for the **backend**, integrating a third-party authentication service via **Duende Identity Server**, and **Blazor WebAssembly** for the client side. By adhering to **SOLID** principles, **Clean Architecture**, and robust testing practices, I ensured high code quality and maintainability. Additionally, I implemented a **CI/CD** pipeline to **Azure** and a remote server, which streamlined the deployment process.

### Software Engineer

GIZ

Ngaoundere, Cameroon 11/2022-12/2022

- Participated in a hackathon organized by GIZ to develop a web application for showcasing activities and tracking booths during the Cameroon-German Cooperation Day.

### Software Engineer Intern

MBCODE

Douala, Cameroon 06/2022-09/2022

- Spearheaded the end-to-end development of a mobile E-Learning application called MBSCHOOL, creating a **REST API** that seamlessly integrates with the app. This initiative, powered by **Node.js**, **PostgreSQL**, and **Flutter**, was designed to drive digital transformation within the sector.

### Software Engineer Intern

University Institute of Technology

Ngaoundere, Cameroon 06/2021-09/2021

- As part of my internship at the University Institute of the University of Ngaoundéré, I had the opportunity to design and develop a web application for managing and tracking alumni from the University Institute of Technology in Ngaoundéré. I implemented the application using CodeIgniter. This experience allowed me to apply my skills and contribute to the creation of a valuable tool for the institution.

## EDUCATION

### Bachelor's Degree in Software Engineering

University Institute of Technology

Ngaoundere, Cameroon 12/2021-11/2022

### University Diploma of Technology in Computer Engineering

University Institute of Technology

Ngaoundere, Cameroon 09/2019-10/2021

## PROJECTS

- MBSCHOOL**: An E-Learning mobile app [Download the APK file here](#)
- Facturo**: An Enterprise Desktop Invoice Maker [View the app presentation here](#) [Download the executable file here](#)
- Phamoclock**: An Intern Management Mobile App
- [QR Code Taxi Info App](#)
- Terraform Challenge**: Contributing to Terraform projects on GitHub, enhancing skills in infrastructure automation and collaborating with the community.

## CERTIFICATIONS

Introduction to Agile Development and Scrum

IBM (Coursera)

09/2024