NJIKAM MBEHOU CHOUAIBOU

📞 **675 794 292** | ✉ **chouaiboumbehou@gmail.com** | 💻 GitHub | 🔗 LinkedIn

Summary

Motivated Software Engineer with strong experience in full-stack development, microservices architecture, and cloud deployment. Skilled in designing scalable web and mobile applications using React, Spring Boot, and AWS. Passionate about creating inclusive and efficient digital solutions for businesses and communities. Strong communicator and problem-solver with a commitment to continuous learning and innovation.

Experience

Software Engineering Internship

AEON CLOUD ((from August to December)

I work actually as frontend as front end developer in this enterprise using Nextjs

DITALIS SA(from February to July)

- Designed and implemented a Trade Force Automation platform as part of a major digital transformation initiative.
- Developed responsive web and mobile applications using React, React Native, and Spring Boot
- Designed a Microservices architecture enabling modular RESTful APIs and better scalability.
- Implemented user management, analytics, and secure authentication services.

Import Center of Medium-Sized Enterprises (CIME), BertouaAcademic Year 2023–2024

- Developed a digital library system to archive past records and improve data retrieval efficiency
- Collaborated within the IT service team to enhance the center's digital infrastructure.
- Designed and implemented responsive web interfaces using React and Tailwind CSS.
- Participated in requirements analysis, planning, and implementation phases.

African Robot Project

Academic Year 2022–2023

- Planned and developed a React-based web interface for interacting with an African robot prototype.
- Improved user engagement through optimized UI design and accessibility enhancements.
- Integrated real-time robot control features using Web APIs and WebSockets.

Education

🎓 **National Advanced School of Engineering, Douala**

Master's in Software Engineering (Year 5)

- Graduated in July 2025

- Focus: Software development, cloud systems, microservices, system architecture

Skills

➤ Technical Skills

- **Languages:** Python, Java, JavaScript, C#, SQL

- **Frontend:** React, Next.js, Tailwind CSS, HTML, CSS

- **Backend:** Spring Boot (Java), Express.js (Node.js), ASP.NET Core (C#)

- **Databases:** PostgreSQL, Oracle, SQL Server

- **Tools & Platforms:** Git/GitHub, Docker, AWS, Figma, Jira

- **Concepts:** OOP, SDLC, Agile/Scrum, REST APIs, CI/CD

➤ Soft Skills

- Strong Problem-Solving & Analytical Thinking

- Excellent Communication & Team Collaboration

- Time Management & Attention to Detail

- Adaptability & Continuous Learning

Projects

➤ **University Management System (Frontend Project)**

➤ **For: École Privée de Formation des Professionnels de Santé de Meiganga (EPFPS)**

➤ **URL: https://www.univ-mbere.org/**

- **Description:** Developed a modern, responsive frontend web application to manage university operations, including students, courses, departments, and academic data, using Next.js.

- **Technologies Used:** Tailwind CSS, JavaScript / TypeScript, REST APIs

- **Key-contribution**

  o Designed and implemented reusable UI components using Tailwind CSS

  o Developed dynamic pages for student management, course listings, and department dashboards

  o Integrated frontend with backend APIs for data fetching and state management

  o Implemented role-based UI views for administrators, professors, and student s

  o Ensured responsive design and cross-browser compatibility

- **Impact:** Improved usability and efficiency of university administration workflows, providing a scalable and user-friendly interface for managing academic information.

➢ **Smart Inventory Management System (.NET Project)**

- **Description**: Developed a web-based inventory management system using ASP.NET Core and SQL Server to track products, suppliers, and sales efficiently.

- **Technologies Used**: .NET , Next js, Tailwind CSS (for styling)

- **Key-contribution**

  o A web application to help small shops manage products, suppliers, and sales reports Technologies: ASP.NET Core (C#),Entity Framework, SQL Server, Bootstrap

  o Built CRUD modules, integrated authentication, and developed analytics dashboard

- **Impact:** Simplified business operations and reduced manual errors in stock management.

➢ **Speech Recognition Mobile Interface**

- **Description**: Developed a mobile application interface in React Native with integrated speech recognition, enabling interactive, hands-free voice command processing.

- **Technologies Used**: React Native, Speech Recognition API, Tailwind CSS (for styling)

- **Key Contributions**:

  o Built a custom React Native component to capture and process voice commands in real-time, displaying recognized text and responses within the app.

  o Designed an intuitive interface using Tailwind CSS for React Native to provide visual feedback on the app's listening status, enhancing user experience.

  o Implemented a settings screen for users to adjust language and recognition sensitivity, improving accessibility and control.

- **Impact**: Created a seamless, voice-activated experience that allowed hands-free interaction, paving the way for further AI integration in mobile applications.

➢ **African Robot Web Interface**

- **Description**: Designed and developed a web interface to interact with an African robot model, allowing users to send commands and view real-time status updates.

- **Technologies Used**: React, Redux, Web API Integration, Tailwind CSS

- **Key Contributions**:

  o Created a control panel interface to send commands and monitor the robot's actions and status updates, enabling seamless user interaction.

- Built a Command History log for tracking user interactions, improving the accessibility of past commands.
- Integrated real-time robot data using WebSocket for live updates, providing an engaging and responsive user experience.

- **Impact**: Enhanced interaction with robotics technology by creating a structured, easy-to-navigate web interface, contributing to broader accessibility and interest in robotics applications.

➢ **Trade force Automation**

- **Description:** Designed and implemented a web-based platform to digitalize and streamline the activities of sales agents, enabling real-time tracking, data collection on prospects and clients, and performance analysis of commercial operations.

- **Technologies Used:** React, React Native Node.js, Sprintboot, Java21 PostgreSQL, Tailwind CSS Native wind CSS, REST APIs Staruml, Geode coding technology keylock Figma for UI design and Jira for Scrum Methodolgy.

- **Key Contributions:**
  - Developed a dashboard interface for real-time tracking of field agents' locations and activities, improving supervision and coordination.
  - Implemented dynamic forms for collecting structured data on prospects and clients during visits, enhancing CRM capabilities.
  - Built performance analytics features to assess agent efficiency and sales trends, aiding managerial decision-making.
  - Integrated secure authentication and user role management for sales agents and managers.

- **Impact:** Improved productivity and transparency of sales operations, reduced paperwork, and enabled data-driven decision-making through digital tools.

➢ **Épargne+ Online Banking App**

- **Description:** Contributed to the design and deployment of a digital savings platform tailored for small businesses, enabling users to make contributions starting from 100 FCFA. The app promotes financial inclusion and structured savings for micro-entrepreneurs.

- **Technologies Used:** Figma (UI/UX Design), AWS (EC2, S3, Route 53) Docker

- **Key Contributions:**
  - Designed clean, user-friendly interface mockups using Figma, optimized for simplicity and accessibility.

- o Created intuitive user flows for core features such as account setup, savings contributions, and transaction history.
- o Assisted in deploying the application on AWS infrastructure, ensuring reliability and accessibility for users.

- **Impact:** Delivered a functional and scalable app interface that empowers small business owners to manage their savings easily, with secure and stable cloud-based access.

languages

English : Fluent

French: Fluent