EMMANUEL TJOM

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https://emmanuel-tjom-portfolio.onrender.com/

OBJECTIVE

With a degree in computer science, I have accumulated several years of experience as a Web and Mobile developer, combining professional and volunteer activities. I am a lover of advanced technologies such as artificial intelligence and robotics; I am determined to advance innovation to design meaningful solutions. With constant rigor, curiosity, and vigilance in the face of current trends, I am ready to put my skills and dynamism at the service of bold and future-oriented projects.

EDUCATION

Computer Programming   Oct 2023 - Apr 2025
College la Cité • Ottawa

- Building and developing complex and highly interactive web applications using Node.js, JavaScript, ReactJS, NextJS, Prisma (ORM), SQLite, and Handlebars, providing a contemporary and seamless user experience.
- Developing a console game application using Java and C#, and desktop applications. NETBuilding engaging iOS applications using Swift, including designing interactive user interfaces and processing real-time data for a superior browsing experience.
- Setting up and tuning databases using MongoDB, SQLite, and Cassandra, using SQL to perform advanced queries. Using Microsoft Azure to deploy large-scale SQL databases and update data instantly through Azure Data Studio.
- Setting up and using Linux systems (SecurityOnion, Ubuntu, Kali Linux, Metasploitable) for detailed security testing and vulnerability scanning. Examining network traffic using Wireshark and tuning Cisco routers using Packet Tracer to ensure secure and performant network infrastructures.
- Managing enterprise projects via Jira, including creating tasks, stories, epics, and tracking bugs. Specific example: I managed a team of four people on a digital library design project.

Professional BA in Software Engineering.   Oct 2017 - Aug 2020
Institute of Economics and Management Informatics • Yaoundé, Cameroon

During these three years of university studies, I acquired diverse knowledge in several fields. Concerning information technologies: UML language, databases, Design user interface/user experience, HTML, CSS3, JavaScript ES6, PHP, Java, Linux, GIT Packet Manager. I also knew entrepreneurship: Organize work and develop specifications for a project.

SKILLS

- Html
- CSS

- Bootstrap
- Materialize CSS
- JavaScript ES8/
- Python
- ReactJS / Redux
- NodeJs - Middleware
- Handlebars
- Parse Server
- Flutter/Dart
- MongoDB
- C# / .Net
- Git / Github
- Anaconda: Jupiter

WORK EXPERIENCE

Full-Stack ReactJS Developer   May 2018 - Dec 2020
ACESY LTD • Yaoundé, Cameroon

- Design implementation and development of modules with React-Redux and NodeJS:
  Customer announcements, company branding, for small business registration. Retrieves and
  filters information in the database with SQL.
- Writing application data sheets to enable their deployment on the customer dashboard

VOLUNTEER WORK

Mobile Developer   Feb 2020 - Sep 2021
Slavefreetrade NGO • Geneva, Switzerland

- Develop the LIBERTAS PEOPLE survey application's Android/iOS mobile interfaces with
  Flutter Framework and Dart language: Home pages, Profiles, and Profile confirmation. Use the
  state management plugin for data management on the front end.
- Extracts information from the Qualtrics database from the API.
- Participates in the testing of the first version of the LIBERTAS PEOPLE application to identify
  bugs on a physical and non-virtual Android kit.

RESOURCES LINKS

- https://developer.mozilla.org/en-US/docs/Web/JavaScript
- https://react.dev/reference/react
- https://learn.microsoft.com/en-us/dotnet/csharp/tour-of-csharp/
- https://csharpforums.net/
- https://stackoverflow.com/
- https://discord.com/channels/102860784329052160/@home
- https://docs.conda.io/projects/conda/en/latest/user-guide/index.html