

CHITCHOUA HAPPY CHRISTELLE DURIANE

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ABOUT

Bilingual with a Computer Programming diploma and a bachelor's degree in software engineering, skilled in Programming and Data analysis. Passionate about building intuitive web/mobile apps and advancing in software development and cloud computing.

CORE SKILLS

- Python
 - Java
 - JavaScript (Node.js, React.js, React Native)
 - PHP
 - HTML5/CSS3
 - SQL/PL-SQL
 - Agile/Scrum
 - Waterfall basics
 - MS Office (Word, Excel, PowerPoint)
 - AWS fundamentals (S3, Lambda)
 - RESTful API design
 - Express.js
 - MERN stack (MongoDB/Mongoose)
 - Firebase (Auth, Firestore)
 - Oracle Database
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EDUCATION

Humber College | Diploma Computer Programming

May 2024 - Present

Catholic University Institute of Buea | Bachelor Software Engineering

Oct 2019 – July 2023

PROJECTS

Boho Barkada Bistro

Oct 2024 - Dec 2024

- Led UX/UI design using Figma and Adobe XD, crafting a warm, bohemian look that tied the brand together across the entire site
- Built responsive React components with Tailwind CSS everything from the menu display to an image carousel and a reservation form that works smoothly on phones.
- Created a Node.js/Express API connected to MongoDB Atlas. This handled all reservation bookings and contact form submissions, complete with data validation and error handling so nothing ever falls through the cracks.
- Optimized site visibility and performance by implementing semantic HTML, meta tags, and schema markup. Conducted cross browser testing in Chrome, Safari, Firefox, and Edge for cross-browser testing.

OmniFood

Apr 2025 - May 2025

- Developed a fully responsive static site using semantic HTML5, CSS3 (including Flexbox and Grid), and JavaScript keeping load times under a second on both desktop and mobile.
- Implemented a JavaScript-driven menu filter so visitors can sort by category or dietary preference, plus subtle hover animations to make the browsing experience more engaging
- Optimized images (WebP conversion) and implemented lazy loading to reduce overall bandwidth usage by approximately 40%.

Recipe Finder

Feb 2025 - Apr 2025

- Built a cross-platform React Native app (Expo) that enables ingredient-based recipe searches, maintaining consistent UI on iOS and Android with API response times under 200ms.
- Managed global state with Redux Toolkit and RTK Query for smooth data fetching from the Spoonacular API, providing fast access to nutrition info and detailed recipes.

- Established a Firebase Firestore-backed comment system for real-time user reviews and secured user interactions through Firebase Authentication (email/password).
- Structured the navigation with React Navigation stacks and tabs to support login/register flows, favorites, and search history. I also added accessibility features like scalable fonts and proper ARIA labels, then published test builds via Expo Go.

Bloom Bookstore

Jan 2025 - Apr 2025

- Developed a full-stack MERN application: on the front end, React.js with Tailwind CSS for a clean, responsive layout and React Router for seamless navigation; on the back end, Node.js/Express powering a REST API with JWT-based admin authentication and Bcrypt password hashing.
 - Designed Mongoose schemas for books, users, orders, and reviews, and reviews with rigorous data validation, implemented secure CRUD endpoints for inventory management and a Stripe-integrated checkout process.
 - Integrated Firebase Authentication for customers (email/password + Google SSO) alongside a separate JWT flow for admins. Created an admin dashboard with sales analytics (Recharts) and order management tools.
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WORK EXPERIENCE

Volunteer Administrative Assistant *Heritage Skills Development Centre*

Jun 2024 - Dec 2024

- Provided customer service support and utilized MS Office to maintain records, schedule meetings, and review documents ensuring accuracy and timely delivery of project deliverables.

Web developer Intern *AIC EXPERTS*

Apr 2022 - Aug 2022

- Utilized PHP, SQL, HTML, CSS, and JavaScript to design and build a candidate-screening quiz module for the company's recruitment portal
- Completed end-to-end implementation, from requirements gathering through front-end interface and back-end logic, enhancing the portal's user engagement and hiring efficiency

Networking Intern *ETREMA TECHNOLOGY*

Apr 2020 - Nov 2020

- Contributed to the investigative monitoring of a CCTV Control Room System, conducting system evaluations and reporting findings to support continuous improvement
- Provided customer support and used MS Office to manage records, schedule meetings, and review documents, ensuring timely, accurate deliverables.