Raul B. Barquilla Jr.
Web Developer

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Portfolio Website: [Raul Barquilla Jr. - Web Developer](#)

EDUCATION

BICOL UNIVERSITY   **Daraga, Albay**
BS Computer Science. GPA 1.9204   **July 7, 2023**
Thesis: Classification of Emergency-Type Texts using Machine Learning Algorithm
Dean's Lister, 2021 - 2023

TABACO NATIONAL HIGH SCHOOL   **Tabaco, Albay**
With Honor, 2018 - 2019   **April 5, 2019**

TECHNICAL SKILLS

- **Frontend:** React.js, Next.js , Vite, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, DaisyUI, Material-UI (MUI)
- **Backend:** Node.js, Express.js, Django, RESTful APIs, PostgreSQL (Neon), MongoDB, Supabase (Baas), OAuth, JWT Authentication
- **API Integration:** Custom REST APIs, Email Notification APIs, Authentication/Authorization APIs, Third-party services using Axios & Fetch
- **UI/UX Design Tools:** Figma, Responsive Web Design, Component-based Architecture, Dark/Light Theme Design
- **State Management and Libraries:** Zustand, React Router, Axios, React Hot Toast, React Icons, Chart.js
- **DevOps and Deployment:** Docker, Railway, Render, Vercel, CI/CD basics
- **Testing and Development Tools:** Postman, DBeaver, Git, GitHub, CORS, Helmet, Morgan, Arcjet (Rate Limiting), ESLint, VS Code

PROFESSIONAL EXPERIENCE

THINK AND CLACK   **Remote**
Web Developer   **July 2024 – April 2025**

- Designed and developed a school admin dashboard featuring user management, organization and event proposal applications, leaderboards, and statistical graphs
- Objective: To automate physical signatory and approval of documents for event proposals of organizations
- Website key features:
    - User registration, login, and password recovery
    - Role-specific dashboards for students and school officers
    - Multi-step proposal management workflow
    - Email notifications for registration, proposal updates, and approval
    - Budget tracker for student organization proposals
- Additional Contributions
    - Designed responsive interfaces using ReactJS and Material-UI (MUI), achieving 100% mobile compatibility
    - Conducted API testing and integration using Postman
    - Validated and debugged database interactions with DBeaver
    - Ensured alignment of features with user and business needs

FREELANCING **Remote**
Graphic Designer **2022 – Present**

- Designed over 20 logos and branding materials for diverse clients, ensuring alignment with their business vision and goals
- Worked closely with clients to refine design concepts and understand their goals
- Delivered high-quality designs using Photoshop and Figma, meeting tight deadlines while maintaining consistent standards

LEADERSHIP & ACTIVITIES

THESIS **Remote**
Mobile App Developer and Designer **October 2022 – March 2023**

- Led the design and development of a front-end mobile application for a thesis project, independently fulfilling project requirements
- Coordinated with the project leader to ensure alignment with academic objectives and technical specifications
- Delivered a fully functional front-end mobile application prototype using Java
- Implemented the most efficient model (SVM with an accuracy of 94 percent) in a mobile application prototype on the Android platform using TFLite

PROJECTS

TRAVELIS – NEXTJS APP
- Developed a full-stack travel booking platform using **Next.js 15, React 18, TypeScript, and MongoDB**.
- Implemented JWT-based authentication with role-based access (User/Admin), secure login, and user profile management.
- Built destination discovery and booking features with advanced search, and real-time availability checks.
- Created a responsive admin dashboard for managing destinations, users, and bookings, with analytics via Chart.js.
- Implemented zustand for state management and Tailwind CSS for modern UI/UX. Deployed the app using Docker and Render,

HAKOMOVIES – REACTJS APP
- Built a responsive movie browsing app using **React.js (Vite) and Tailwind CSS,** integrated with the TMDB API.
- Implemented features to browse trending movies, search by title, and view detailed movie info including ratings and release dates.
- Optimized for performance and mobile responsiveness with a clean, modern UI and fast loading via Vite.
- Deployed the application on Vercel.

HAKOSTORE – PERN APP
- Developed a full-stack e-commerce app using the **PERN stack (PostgreSQL, Express, React, Node.js)** with responsive design and real-time updates.
- Implemented product management features with CRUD operations, image upload, category filtering, and pagination.
- Designed a modern UI with Tailwind CSS, DaisyUI themes, and used Zustand for state management and React Hot Toast for notifications.
- Secured and optimized the backend with Helmet, Morgan, Arcjet rate limiting, and deployed PostgreSQL via Neon.

HAKOMERCH – MERN APP

- Built a scalable **MERN stack (MongoDB, Express.js, React.js, Node.js)** e-commerce platform with modular architecture, clear frontend-backend separation, and Docker-based containerized deployment.
- Developed a responsive UI using React (Vite) and Tailwind CSS, featuring clean components, toast-based error handling, and Zustand for centralized state management.
- Built a robust backend with Express.js, MongoDB (Mongoose), and Multer for secure image uploads, with a well-structured REST API and environment-based config.
- Optimized for performance and future scalability with lazy-loaded images, fast Vite builds, and clean project organization suited for feature expansion.

ADDITIONAL INFORMATION

- **Soft Skills:** Strong problem-solving skills, effective communication, team collaboration, decision making, time management, and ability to work independently with minimal supervision.
- **Hobbies & Interests:** Music (piano, guitar), Art (drawing, painting), and Gaming (FPS and MMORPG games)
- **Languages:** English, Filipino, Bikol

CERTIFICATIONS

- Udemy: Complete React Developer Masterclass 2022
- Udemy: Web Design for Beginners Build Websites in HTML & CSS 2023
- Udemy: HTML, CSS, & Bootstrap - Certification Course for Beginners 2023

CHARACTER REFERENCES *(AVAILABLE UPON REQUEST)*