

# Raul B. Barquilla Jr.

## Web Developer

P5 Bonga Bacacay • Albay, 4509 • raulbarquilla003@gmail.com • +63 906 473 2078

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

### EDUCATION

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**BICOL UNIVERSITY**

**BS Computer Science. GPA 1.9204**

**Thesis:** Classification of Emergency-Type Texts using Machine Learning Algorithm

**Dean's Lister, 2021 - 2023**

**Daraga, Albay**

**July 7, 2023**

**TABACO NATIONAL HIGH SCHOOL**

**With Honor, 2018 - 2019**

**Tabaco, Albay**

**April 5, 2019**

### TECHNICAL SKILLS

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- **Frontend:** React.js, Next.js (15), Vite, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, DaisyUI, Material-UI (MUI), Bootstrap
- **Backend:** Node.js, Express.js, Django, RESTful APIs, PostgreSQL (Neon), MongoDB, 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, Environment Variables, CI/CD basics
- **Testing and Development Tools:** Postman, DBeaver, Git, GitHub, CORS, Helmet, Morgan, Arcjet (Rate Limiting), ESLint, VS Code

### PROFESSIONAL EXPERIENCE

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**THINK AND CLACK**

**Web Developer**

**Remote**

**July 2024 – Present**

- Designed and developed an admin dashboard featuring user management, organization and event proposal applications, leaderboards, and statistical graphs
- 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**  
**Graphic Designer**

**Remote**  
**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**

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**THESIS**  
**Mobile App Developer and Designer**

**Remote**  
**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**

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**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

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- **Soft Skills:** Strong problem-solving abilities, effective communication, and 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:** Filipino, English

## CERTIFICATIONS

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- 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)*

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