

CONTACT

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PROJECTS & EXPERIENCE

RideAlert App Prototype | 2025

Backend and Machine Learning Developer

- Designed scalable backend logic for the PUV monitoring system to handle real-time user requests.
- Trained and integrated the Machine Learning model, overseeing data cleaning and server-side optimization.
- Established scalable architecture standards and authored detailed technical documentation, including the project user manual.

SmartVote App | 2025

Backend Developer

- Developed a RESTful backend using Node.js and MongoDB, enabling real-time election tracking via Socket.io.
- Secured API endpoints with JWT authentication, bcrypt hashing, and rate limiting to ensure election integrity.
- Orchestrated containerized deployment using Docker to support scalable infrastructure and cross-origin requests.

Motodachi App | 2024

Backend Developer

- Developed a secure RESTful API using Node.js and MongoDB, utilizing JWT and session-based authentication for robust user management.
- Engineered complex ride workflows, handling dual-role accounts (driver/passenger), vehicle verification, and real-time status transitions.
- Implemented core utility features.

TECHNICAL SKILLS

Languages

- JavaScript, Python, SQL, Java

Databases

- MongoDB (Mongoose ODM), Firebase Realtime Database, Supabase (PostgreSQL)

Frontend / Mobile / Web

- React Native, Expo, React.js, Vite

Tools

- Git & GitHub, Postman (API Testing), VS Code, npm/Node Package Manager

Backend

- Node.js, Express.js, FastAPI, RESTful API Design

EDUCATION

University of Science and Technology of Southern Philippines (USTP) | 2022-2026

Bachelor of Science in Information Technology

CERTIFICATES

SupportZebra AI Talk Workshop | 2025

Certificate of Participation

12th TOPCIT Philippines | 2025

Level 3 Certification