

# Mark Matthew M. Vergara

Pampanga, Philippines | [mark.jesusmanabat@gmail.com](mailto:mark.jesusmanabat@gmail.com)  
[markvergara.vercel.app](https://markvergara.vercel.app) | [linkedin.com/in/mark-matthew-vergara](https://linkedin.com/in/mark-matthew-vergara) | [github.com/mmvergara](https://github.com/mmvergara)

## WORK EXPERIENCE

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### Local Government Unit Internship

- Led a team of developers in creating software to streamline workflows and document printing processes.
- Collaborated as a technical consultant with the Human Resource department's development team to architect a secure, locally hosted system for centralized employee information management.
- Successfully deployed three locally hosted software applications to the government unit's operational needs

### Junior Web Developer

Sta Clara International

- Developed an internal full-stack web application using Next.js and Supabase as a remote junior developer.
- Created mockups in Figma and implemented approved features through pull requests in a agile workflow.

### Freelance Experience

- Alge Explorer - Flutter-based math educational application commissioned by mathematics majors, delivering an intuitive and interactive platform.
- Coinsorter - Flutter app that monitors and controls an IoT coin counting system through MQTT protocol, featuring real-time coin tracking, limit management, and session reporting for efficient currency processing.

## NOTABLE PROJECTS

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### Supadart

- CLI tool that generates Flutter/Dart classes from a Supabase schema, enabling typesafe queries.
- It has garnered over 3,400 downloads, 67 Github stars, and recognition from the Supabase Flutter Maintainer.

### PSAU Rant

- Web and Mobile application for students to create and study flashcards, addressing the frustration of my classmates with previously using a premium app, shift away from free access.
- The mobile version features offline card saving. Has attracted a growing user base, reaching 49 users as of August 2024.

### Green Vision (capstone)

- Developed a Smart Trash Can with a Monitoring and Management System that uses waste object detection model and IoT technologies to automatically open the appropriate lid for disposal.
- Implemented a web and desktop application to monitor the trash can's capacity, with automated notifications sent when Smart Trash Can exceeds 90% capacity.

### App Starter Templates

- Developed a series of App Starter Templates, including React Firebase Auth, React MongoDB Prisma Auth, Nextjs Discord Bot, and React Supabase Auth templates, earning a total of 68 stars on GitHub.

## TECHNICAL SKILLS

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- **Development**
  - React, Next.js, Vue.js, Solid.js, Astro, Remix, TypeScript, Node.js, Express.js, Bun, Hono, Python, Java, Golang, Spring, Drizzle, Flutter, Dart, Tauri, Electron
- **Data and Cloud**
  - PostgreSQL, MySQL, SQLite, MongoDB, Redis, Supabase, Firebase, AWS, GCP, GraphQL
- **Tools and DevOps**
  - Docker, Git, GitHub, Linux, Bash, Cypress, Postman, VSCode, Vim

## EDUCATION

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- Bachelor of Science in Information Technology at Pampanga State Agricultural University 2021 - 2025