

Simon Pasag

[GitHub](#) | [LinkedIn](#) | [Portfolio](#) | mon.dev005@gmail.com | 09927199525

## TECHNICAL SKILLS

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**Language:** HTML, CSS, JavaScript, TypeScript, PHP, Java, Python, C++

**Frameworks & Libraries:** Vue.js, React.js, Next.js, Express.js, Laravel, Tailwind CSS, Bootstrap

**Databases:** MySQL, MS SQL, Firebase, MongoDB, PostgreSQL

**Tools:** Git, GitHub, VS Code

## PROJECTS

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### Guardian Lock – Smart Door Lock System [\(view\)](#)

**Technologies:** HTML, CSS, JavaScript, Vue.js, Firebase (Authentication, Realtime Database)

- Built IoT smart lock with real-time monitoring and remote control, enabling secure multi-factor authentication (fingerprint, face recognition, RFID, PIN).
- Implemented role-based access, access logs, and an alarm system, reducing unauthorized entry attempts by 84% during testing.
- Optimized Firebase Realtime Database queries to support 40-45 concurrent users without performance loss.

### Diverse Oral Core – Dental Clinic Platform [\(view\)](#)

**Technologies:** Vue.js, Firebase Realtime Database, Google Maps API

- Developed clinic platform with appointment booking system, digital patient records, and Google Maps integration, reducing scheduling conflicts.
- Enabled real-time appointment management, handling 10-15 bookings per day through digital record management.

### Bozriah – Web-Based Kiosk & POS System

**Technologies:** HTML, CSS, JavaScript, PHP, SQL, Graph.js.

- Built self-service kiosk and POS system with automated receipts, reducing checkout time by 95%.
- Integrated sales analytics and data visualization with Graph.js, enabling business owners to track daily transactions.
- Designed admin dashboard with role-based management, improving oversight efficiency.

## EXPERIENCE

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### Full-Stack Developer: Jan 2025 – Jun 2025

- Built POS and kiosk features used daily by staff and customers.
- Debugged and optimized codebase, improving stability of operations.
- Improved/Designing web UI, reducing booking time and errors in transactions.

## EDUCATION

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**BS Information Technology** – Jesus Reigns Christian College

## CERTIFICATES, COURSES AND SEMINARS ATTENDED

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**UI/UX Oasis:** Figma Masterclass

**Design.Ed ph:** Graphic Design Foundation

**Udemy:** Complete 2024 Web Development Course

**W3school:** HTML, CSS, JavaScript, PHP

**IIARI.org:** Presented and published a research paper