

Ken Andrew P. Carlon

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SUMMARY

Aspiring **Full-Stack** Developer and **2 - time STI Codefest National Finalist**. Experienced in building end-to-end web and mobile solutions using **React, Node.js, and Java**. Proven ability to deliver functional, user-ready applications under high-pressure **40-hour hackathon deadlines**. Seeking to contribute to production-ready code in a collaborative engineering team.

PROJECTS

Online Ordering & Inventory System - (Capstone Project)

Tech: React, Node.js, Express, Supabase

- Developed a **full-stack inventory and ordering platform** that replaced manual transactions, improving order tracking and inventory accuracy for a department **servicing hundreds of users**.
- Implemented role-based workflows for staff and students to streamline order processing and inventory monitoring, **ensuring proper access control and data integrity across user roles**.
- Collaborated in an **Agile-style team**, participating in requirement gathering, sprint planning, feature implementation, and production debugging.

Online Appointment and Service Request - (Commissioned Project)

Tech: React, Node.js, Express, Supabase

- Designed and deployed a centralized web platform for automotive service scheduling using **React and Node.js**.
- Implemented a **React-based calendar interface** with **RESTful endpoints** to manage appointments, service requests, and real-time data synchronization.
- Automated workflows to replace manual records, significantly improving scheduling accuracy and operational efficiency.

Hotel Reservation System – (Commissioned Project)

Tech: Android Studio, Java, XML, Firebase

- Integrated **Firebase Realtime Database** to support live room availability updates and instant data synchronization.
- Implemented separate user flows for customers and administrators to manage reservations and room availability.

TECHNICAL SKILLS

Frontend: HTML, CSS, Tailwind CSS, JavaScript, TypeScript, React, Next.js

Backend: Node.js, Express.js, Supabase, SQLite, MySQL, SQL Server

Mobile: Android (Java, XML)

Tools: Android Studio, Git, GitHub, Postman

ACHIEVEMENTS & CERTIFICATES

National Level Finalist (2x) - STI Tagisan ng Talino: Codefest

2023-2025

- Competed against top-performing STI students nationwide to design and build fully functional mobile applications within a **40-hour intensive timeframe**.
- Architected and developed a fully functional mobile application prototype from scratch within the strict 40-hour timeframe.

EDUCATION

Bachelor of Science in Information Technology

STI College – Fairview Branch

2022 - Present

ICT Major in Programming and Animation

Mystical Rose School of Caloocan

2020 - 2022