

# ALEXIS CORPORAL

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## SUMMARY

IT graduate (Cum Laude) with hands-on experience building web and mobile applications. Skilled in database design, writing backend logic, and implementing real-time features. Received Best in OJT and Best Capstone Project awards for delivering working software systems.

## KEY SKILLS

- Web and Mobile Application Development
- Database Design & Normalization
- API Design & Testing
- System Logic & Process Automation
- Real-Time Features & WebSockets
- User Roles & Access Control

## TOOLS & TECHNOLOGIES

**Languages:** Dart, TypeScript, Go, Python, JavaScript, SQL

**Frameworks & Libraries:** Next.js, Fastify, FastAPI, Flutter, Tkinter, pypdf

**Databases & Tools:** PostgreSQL, MySQL, WebSockets, Tesseract OCR

**Testing & Infrastructure:** Postman, JMeter, Nginx, Docker

## WORK EXPERIENCE

**Freelance Developer** – Self-Employed (May 2023 – Present)

- Wrote code, built databases, and deployed web and mobile applications for local clients.

**Web Developer Intern** – Bakawan Data Analytics, Inc. (Feb 2026 – May 2026)

- Collaborated within an intern team to design and develop tailored software systems for company and client requirements.
- Added secure features like user logins, real-time status updates, security checks, and activity logs.
- Tested how well backend configurations handle heavy traffic using JMeter and verified API endpoints with Postman.

## SELECTED PROJECTS

**DLSP Registrar DocsTrack** (Feb 2026 – May 2026)

**Technologies:** Next.js, TypeScript, Go, PostgreSQL, WebSockets, Postman, JMeter

- Developed a web application featuring live request tracking, automatic email alerts, a payment receipt upload system, and data export functionalities for Excel and PDF files.
- Designed specifically for the college Registrar's Office to transition a manual document retrieval and verification process into a digital ecosystem.

**OCR Drawing Extractor** (Feb 2026 – Jun 2026)

**Technologies:** Python, FastAPI, Tesseract OCR, pypdf, Tkinter

- Built a desktop application that extracted text layers directly from vector PDFs and targeted OCR processing specifically to headers and footers to mitigate image noise from blueprints.
- Created an interface allowing users to define specific regional bounding boxes on the screen for targeted data extraction.
- Developed for the engineering industry to expedite the extraction of technical specifications and metadata from architectural drawing sheets.

**BakerPass** (Aug 2025 – Jan 2026)

**Technologies:** Next.js, Fastify, Flutter, MySQL, Nginx, Docker

- Developed a visitor management and health screening system with 6 distinct user roles to secure facility entrance zones.
- Utilized WebSockets to establish real-time synchronization of appointment bookings, health declarations, and sequential check-in workflows across web and mobile platforms.
- Commissioned for Franklin Baker, a global manufacturer and supplier of premium coconut ingredients, to manage high-volume personnel security screening at their manufacturing plant in San Pablo, Laguna.

## TRAINING & CERTIFICATIONS

- **AWS Certified Cloud Quest: Cloud Practitioner** – AWS Training & Certification, March 2026
- **Best in OJT** – Top rating among all BSIT Software Development Major students, 2026
- **Best Capstone Project** – Franklin Baker Visitor Management System (BakerPass), 2026
- **3rd Best System** – Awarded among 9 intern teams at Bakawan Data Analytics, Inc., 2026

## EDUCATION

**Bachelor of Science in Information Technology (Software Development Major)**

Dalubhasaan ng Lungsod ng San Pablo, 2022 – 2026 (Graduated Cum Laude)