

KENT LOZANO

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SUMMARY

Information Technology graduate specializing in cross-platform mobile development with **Flutter** and modern web development with **TypeScript, React, and Next.js**, including full-stack applications with **Prisma** and **PostgreSQL**. Built and defended **bastaFDA**, a medicine-verification mobile application integrating **TensorFlow Lite** image classification, OCR, and FDA registration data. Experienced in **agentic coding workflows (Claude Code, GitHub Copilot)**, using AI agents to accelerate development while maintaining full command of architecture, data flow, and debugging. QA internship experience testing a Laravel-based academic analytics system, from test-case design to data validation. Seeking a Junior Software Developer or Mobile Developer role.

TECHNICAL SKILLS

- **Programming Languages:** TypeScript, JavaScript (ES6+), Dart, Python, Java
- **Mobile & Web:** Flutter, React.js, Next.js, Native Android, HTML5, CSS3, Responsive Design, @dnd-kit
- **AI & Machine Learning:** TensorFlow Lite, OCR integration, on-device model deployment
- **AI-Assisted Development:** Agentic coding with Claude Code and GitHub Copilot, prompt engineering, AI code review and validation
- **Backend & Databases:** Firebase (Auth, Firestore), PostgreSQL, MySQL, SQL, Prisma ORM, Auth.js, RESTful APIs
- **Testing & QA:** Test Case Design, Manual & Functional Testing, Data Validation, User Acceptance Testing, Bug Reporting
- **DevOps & Tooling:** Git, GitHub, Vercel, Android Studio, VS Code, Debugging & Testing Workflows
- **Design:** UI/UX Prototyping, Adobe Photoshop, Canva

KEY PROJECTS

bastaFDA — Mobile Verification of FDA-Approved Products

2025 – 2026

Capstone Project (Holy Cross of Davao College)

Flutter + Dart + TensorFlow Lite + OCR + Firebase

- Developed a **Flutter** mobile application that verifies medicine authenticity by cross-referencing **OCR** text extraction and **TensorFlow Lite** image recognition against official FDA registration data.
- Trained and integrated a **TensorFlow Lite image-classification model** to identify supported medicine products on-device from a curated image dataset.
- Engineered a **multi-scan OCR workflow** that aggregates results across multiple captures, improving text-extraction accuracy on low-quality medicine packaging.
- Implemented the full product flow (scanning, verification, history, reporting) with **Firebase** authentication and real-time data.
- Leveraged **agentic coding tools (Claude Code, GitHub Copilot)** for scaffolding, refactoring, and test iteration, reviewing and validating all generated code against project requirements.
- Successfully defended the capstone before a faculty panel.

Kanbo — Job-Search Kanban Tracker

2026

Personal Project — full-stack — kanbo-two.vercel.app

Next.js + TypeScript + Prisma + PostgreSQL + Auth.js

- Built a drag-and-drop Kanban board with **@dnd-kit** and fractional-position reordering, so moving a card only ever rewrites that one row, never its neighbors.
- Implemented **Auth.js v5** with database-backed sessions and GitHub/Google OAuth, enforcing per-user data access on every server action rather than trusting the client.

- Built a funnel/conversion stats page computed from real stage-transition history, with CSV export, stale-application flagging, and a full dark-mode palette.
- Leveraged an **agentic coding workflow (Claude Code)** to iterate feature-by-feature, testing each change against the live app before shipping.

Personal Portfolio Website — kent-lozano.vercel.app

2025 – Present

Personal Project

Next.js + TypeScript + React + Vercel

- Built and deployed a responsive personal portfolio site with **Next.js** and **TypeScript**, hosted on Vercel with automated deployments from GitHub.

WORK EXPERIENCE

CHAT MODERATOR

Remote

Content Moderation

2024 – 2025

- Reviewed high volumes of user-generated content against platform guidelines, maintaining accuracy under strict turnaround times.
- Resolved escalated user concerns professionally in a fast-paced, metrics-driven environment.

HOLY CROSS OF DAVAO COLLEGE

Davao City, Philippines

QA Intern, Developer Track — Academic Intervention System (Laravel)

2026

- Performed QA on an academic intervention system for the Office of the VP for Academic Affairs that monitors per-course and per-professor grade trends, identifying factors behind rising and falling pass/fail rates.
- Designed and executed test cases across the system's grade-checking, analytics, and reporting features.
- Verified data accuracy of grade computations and pass/fail statistics against source academic records.
- Traced reported defects into the Laravel codebase to localize root causes and propose fixes to the development team.
- Contributed to domain modeling and assisted developers during feature implementation; supported user acceptance testing with academic stakeholders.

EDUCATION

HOLY CROSS OF DAVAO COLLEGE

Davao City, Philippines

Bachelor of Science in Information Technology, 2020 – 2026

Capstone: bastaFDA — Mobile Verification of FDA-Approved Products | Coursework: Mobile Application Development, Database Management Systems, Software Engineering, Data Structures & Algorithms