

KENNETH BULAGA

Full-stack Developer

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SUMMARY

Full-stack Developer (BS Information Technology, 2026) building web applications with React, Next.js (App Router), TypeScript, and Supabase (PostgreSQL). Delivered a live campus services portal serving 7,125 Google SSO accounts and built two internal reporting systems for regional government operations with sub-second server-side aggregation.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, HTML, CSS
Frontend: React, Next.js (App Router), Tailwind CSS, shadcn/ui
Backend & Data: Supabase (PostgreSQL, Auth, Realtime, Row-Level Security), Node.js, Next.js Server Actions, REST APIs, Upstash Redis, Zod, ExcelJS
Tools: Git, GitHub, Vercel, AI-assisted development (Antigravity, Gemini, Claude)

EXPERIENCE

- Full-stack Developer (Freelance Contract)**
St. John Paul II College of Davao — JP Connect

Aug. 2025 – Present
Davao City, Philippines

 - Built and deployed JP Connect, a paid student services and exam scheduling portal with **7,125 Google SSO accounts** (students and 249 faculty) across 9 academic departments.
 - Implemented an interval-sweep conflict check that validates **658 exam slots** for room and instructor overlaps (0 conflicts), replacing manual cross-checking of departmental Excel files.
 - Automated end-of-semester clearance by reconciling event attendee ID uploads against **14,778 registrar records** in under 5 seconds, auto-flagging absences and calculating SSC sanctions.
 - Enforced data isolation across 6 user roles with PostgreSQL Row-Level Security and Next.js middleware, so students on shared lab computers can only see their own records.
 - Built a sanctions and payments module for the Supreme Student Council that links clearance to settled sanctions and logs every payment and expense, recording **PHP 707,750** in collections over one clearance period (Dec. 2025 – Jan. 2026).
- Software Developer Intern**
Overseas Workers Welfare Administration (OWWA) Region XI

Jan. 2026 – May 2026
Davao City, Philippines

 - Developed the Client Satisfaction Measurement Report (CSMR) system, consolidating **4,632+ citizen feedback records** and 72 monthly report submissions from 10 regional units.
 - Replaced a 4-day manual spreadsheet consolidation with on-demand report generation that runs in under 1 second, using Next.js Server Actions for server-side aggregation.
 - Built an ExcelJS export that generates multi-tab workbooks with formulas and formatting required for ARTA/CSC reporting, so staff no longer rebuild reports by hand.
 - Built the Statistical Performance Reporting System (SPRS) as the **sole developer**, tracking monthly KPI targets and accomplishment reports, with PostgreSQL constraints and Zod validation on every submission.
 - Received two official **Certificates of Recognition** from OWWA Region XI (CSMR and SPRS) and presented both systems to regional staff.

PROJECTS

- JP Intrams** — Real-time Tournament Leaderboard
Next.js, TypeScript, Supabase Realtime, Upstash Redis, Tailwind CSS

Oct. 2025

 - Built a live leaderboard for the college's Intramurals, syncing scores across **23 sports divisions** in real time with Supabase Realtime.
 - Added Redis rate limiting to REST API routes to protect PostgreSQL connections during peak tournament traffic.
 - Developed an auto-cycling display mode shown on campus gym screens and spectators' phones.

EDUCATION

- St. John Paul II College of Davao**
Bachelor of Science in Information Technology

May 2026
Davao City, Philippines

 - Honors & Leadership:** Institutional Service Award (Highest Student Honor, 2026), Dean's Lister, SSC Senator
 - Hackathon:** Davao HackEstate 2025 — built a property listing and inquiry prototype with Next.js and Supabase in 48 hours