

Kenneth Bulaga

Junior Software Engineer

Davao City, Philippines | +63 951 392 9917 | kennethbulaga.dev@gmail.com
kennethbulaga.dev | github.com/kennethbulaga | linkedin.com/in/kenneth-bulaga

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), SQL, PHP, HTML5, CSS3
Frameworks & Libraries: Next.js, React, React Native, Tailwind CSS, TanStack Query, Zod, ExcelJS
Databases & Back-End: Node.js, PostgreSQL, MySQL, Supabase, Redis, WebSockets, RESTful APIs
Developer Tools: Git, GitHub, Docker, Postman, Vitest, Playwright, CI/CD, GitHub Actions

EXPERIENCE

Software Developer Intern

Jan. 2026 – May 2026

Overseas Workers Welfare Administration Region XI

Davao City, Philippines

- Developed the **OWWA CSMR System** (Client Satisfaction Measurement Report), a regional government web platform consolidating **4,632+ citizen feedback records** across 10 regional units into daily operations.
- Accelerated a 4-day manual spreadsheet consolidation process into a sub-second server-side aggregation pipeline using Next.js Server Actions, eliminating calculation bottlenecks across regional divisions.
- Architected an ExcelJS export engine compiling multi-tab workbooks with embedded formulas and audit styling for national ARTA/CSC compliance, earning an official **Certificate of Commendation**.
- Implemented KPI aggregation and reporting modules for the **OWWA SPRS Platform**, enforcing strict PostgreSQL schema constraints and Zod validations across regional divisions.

Freelance Software Engineer

Nov. 2024 – Present

Self-Employed

Davao City, Philippines

- Delivered full-cycle software development contracts for educational and local business clients, translating administrative workflows into production-ready web apps with custom role-based access control (RBAC).
- Engineered real-time booking, queuing, and transactional email confirmation pipelines using the Resend API, Next.js Server Actions, and Supabase authentication.
- Built responsive, mobile-first client frontends with Next.js and Tailwind CSS, leveraging dynamic server rendering and asset caching to achieve 95+ Core Web Vitals performance scores.

PROJECTS

JP Connect | *PostgreSQL, Next.js, Supabase, Tailwind CSS*

Aug. 2025 – Present

- Engineered a campus operations platform under contract for St. John Paul II College of Davao, serving **5,536 registered students and faculty** across 9 collegiate departments.
- Implemented an automated 3-way conflict-detection scheduling algorithm that eliminated exam timetable collisions across **658 exam slots**.
- Built an attendance clearance pipeline validating RFID scan logs against **14,778 registrar records**, secured by Google Workspace SSO and PostgreSQL Row-Level Security.

JP Intrams | *Supabase Realtime, Redis, Next.js, Tailwind CSS*

Oct. 2025 – Present

- Built a live tournament leaderboard delivering **sub-500ms score synchronization** across 22 sports divisions using Supabase WebSocket real-time change streams.
- Protected PostgreSQL database connection pools from exhaustion during peak concurrent traffic by implementing distributed Redis rate-limiting at the API gateway.
- Designed an auto-cycling arena display mode deployed live across campus gym projectors and mobile spectator devices for continuous match score updates.

EDUCATION

St. John Paul II College of Davao

2022 – 2026

Bachelor of Science in Information Technology

Davao City, Philippines

- Honors & Leadership:** Institutional Service Award (Highest Student Honor, 2026), SSC Senator, Dean's Lister