Joren P. Verdad

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Professional Profile

Detail-oriented IT professional and BSIT graduate with hands-on experience in systems administration, full-stack development, database management, hardware servicing, and cybersecurity. Proven ability to develop custom systems, automate business processes, and deliver reliable, secure, and efficient IT solutions. Comfortable working independently with minimal supervision and adapting quickly to new technologies.

Education

Caraga State University Butuan, PH
Bachelor of Science in Information Technology. August 2021 - June 2026
Relevant Coursework: Web Development, Mobile Application Development, Software Engineering, Systems Integration and Architecture, Networking, Database Management Systems, Cybersecurity.

Experience

Allied Care Experts (ACE) Medical Center – Butuan Inc. Butuan, PH
IT Specialist July 2026 - Present

- Administer IT systems, databases, and network infrastructure supporting hospital-wide operations, including the hospital information system (HIS); resolve hardware, network, and system issues independently to maintain uptime across clinical and administrative departments, and document configurations to support onboarding of future IT staff.
- Lead development of the ACEMC HRIS, an enterprise HR and payroll platform (Next.js 16, React 19, TypeScript, self-hosted Supabase/PostgreSQL 16) replacing spreadsheet-based operations for hospital staff, doctors, and nurses, including an Employee Self-Service portal for timecards, leave and overtime requests, and e-payslips, with real-time notifications powered by Supabase Realtime.
- Designed the PostgreSQL database schema and planned the on-premises hospital deployment on Proxmox VE using Docker, Coolify, Nginx, and Kong, hosting the platform on the hospital's own infrastructure.
- Engineered an in-memory batch payroll engine covering Philippine statutory contributions and tax (SSS, PhilHealth, Pag-IBIG, BIR) that replaced sequential per-employee database queries with bulk parallel pre-fetching, computing payroll for hundreds of employees in sub-second time.
- Built a biometric punch pipeline that compiles Daily Time Records and calculates night differentials, tardiness, and overtime across rotating 24/7 shifts; added a Compensatory Time Off ledger using PostgreSQL triggers and a cafeteria POS reconciliation with fuzzy name matching for payroll deductions.
- Secured employee PII, compensation data, and audit trails across four role tiers (Employee, Department Head, HR Staff, HR Admin) using PostgreSQL Row-Level Security and Supabase SSR session middleware, supporting Data Privacy Act compliance.

Zionix Consultancy Services Company Remote
Software Developer (Contract) June 2026 – August 2026

- Architect and develop a real estate management information system (MIS) as sole developer and project manager, using Next.js App Router, TypeScript, Supabase, Tailwind CSS, and shadcn/ui — delivering Phase 1 (Core Sales & Inventory Tracker) to production.
- Implement database-level safeguards including Row-Level Security policies, pessimistic locking via custom RPC functions, and full audit logging, ensuring data integrity across concurrent multi-user transactions.
- Conduct full-codebase architecture reviews, producing prioritized technical recommendations (error monitoring, JWT custom claims, indexing strategy, server-side pagination) that reduced technical debt ahead of subsequent phases.

Freelance Remote
Web Developer & UI Designer (Self-employed) July 2023 - August 2026

- Design, develop, and deploy custom web applications and business websites for additional small and medium-sized business clients as an independent developer, using modern frameworks including Next.js, React, Vue.js, and Supabase.

- Create user interface designs and responsive layouts with Tailwind CSS, shadcn/ui, and Vuetify, translating client requirements into intuitive, user-friendly experiences.
- Implement secure authentication and real-time data management with Supabase and PostgreSQL, and manage each project end to end, from requirements gathering to production deployment.

Office of Curriculum and Instruction Development Butuan, PH
Full-Stack Developer (Intern) June 2025 - September 2025

- Engineered backend architecture and database logic for a custom employee database management system using Laravel and PostgreSQL, reducing average query time by ~35% through optimized schema design and indexing.
- Developed and integrated secure RESTful APIs, enabling reliable data exchange across 5+ core system modules with zero reported downtime — directly supporting business process automation.
- Designed and implemented a responsive administrative dashboard using React.js and Tailwind CSS, streamlining data management and improving end-user accessibility.
- Produced technical documentation throughout the SDLC and delivered the full system on schedule within a 3-month timeline — from requirements gathering to production deployment.

Bigbytes Computers & Services Butuan, PH
Technical Assistant (Intern) February 2020 - March 2020

- Installed, configured, and tested CCTV surveillance systems, ensuring full coverage, correct network connectivity, and reliable system functionality for client sites.
- Assembled, diagnosed, and repaired desktop hardware components including CPUs, RAM, storage drives, and peripherals, restoring optimal performance for client machines.
- Collaborated with technical teams to standardize service workflows, improving repair turnaround time and overall service efficiency.

Technical Skills

Systems & Infrastructure: Windows, Linux (Ubuntu, Kali), Proxmox VE, Docker, Coolify, Nginx, Network Administration, CCTV Installation & Configuration, Hardware Assembly & Troubleshooting
Database Administration: PostgreSQL (Row-Level Security, triggers, stored procedures), MySQL, Prisma ORM — schema design, indexing, and query optimization
Development: JavaScript, TypeScript, Python, C, Java, SQL — Next.js, React.js, Vue.js, Laravel, Django, React Native, Capacitor, Tailwind CSS, shadcn/ui, TanStack Query, Zod
Cloud & Deployment: Supabase (self-hosted and cloud), Firebase, Vercel, Postman, Git
Cybersecurity: Vulnerability Assessment, Penetration Testing, Web Exploitation, Network Analysis, Cryptography, Digital Forensics
Testing & QA: Playwright (E2E), Vitest (Unit)

Leadership & Activities

CarSU CyberNinja - Caraga State University Butuan, PH
Member (Cybersecurity Team) 2023 – 2025

- Applied hands-on ethical hacking and vulnerability assessment techniques in Capture the Flag (CTF) competitions, covering web exploitation, network analysis, cryptography, steganography, and digital forensics.
- Earned back-to-back Regional Championships at Hack4Gov 2024 and 2025, qualifying to represent the Caraga Region at the national level.

CSU Game Developers Club - Caraga State University Butuan, PH
Frontend Developer 2024

- Developed the frontend of Sinawali Showdown, a Filipino cultural turn-based card game built without a game engine using Vue 3 and Pinia state management, delivering a polished and responsive in-browser experience.
- Achieved 3rd Place at DOST Level Up Game Dev Challenge 2024 (National).