

JERYWIN BAYAWAN

Full-Stack Software Developer

Kidapawan City, Philippines

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Portfolio: quickeee.online

PROFESSIONAL SUMMARY

Full-Stack Software Developer experienced in building production-ready web and mobile applications using React, TypeScript, Node.js, and PostgreSQL. Skilled in scalable architecture, REST APIs, offline-first systems, real-time applications, database optimization, and production deployment.

TECHNICAL SKILLS

Frontend: React.js, TypeScript, JavaScript, Tailwind CSS, Shadcn UI, Vite, Progressive Web Apps (PWA)

Backend: Node.js, Express.js, REST API Development, Socket.IO, WebSocket, BullMQ, Background Jobs & Job Queues

Database & Caching: PostgreSQL, MySQL, SQLite, Sequelize ORM, Redis, Database Design, Database Indexing, Query Optimization

Mobile: React Native, Capacitor, Flutter, Offline-First Architecture, Local Database & Cloud Synchronization

DevOps & Infrastructure: Docker, Docker Compose, Linux, Nginx, Caddy, Cloudflare, Git, GitHub

Architecture & Security: Role-Based Access Control (RBAC), Authentication & Authorization, Multi-Tenant Architecture, Tenant Isolation, Email OTP, 2FA, API Integration

Testing & Performance: API Testing, Load Testing, Redis Caching, SQL Optimization, Database Indexing, Background Processing

WORK EXPERIENCE

Full Stack Software Developer

Global Telemedicine Corp. — Davao City, Philippines

September 2025 – Present

- Develop and maintain production-ready web and mobile applications across frontend, backend, database architecture, deployment, and ongoing production support.
- Build responsive and high-performance user interfaces using React.js, TypeScript, Tailwind CSS, and Shadcn UI, integrated with scalable Node.js and Express.js REST APIs.
- Design and maintain PostgreSQL databases using Sequelize ORM, including relational data modeling, indexing, query optimization, and multi-tenant data isolation.
- Implement secure authentication and authorization using RBAC, granular permissions, Email OTP, 2FA, and tenant-scoped access controls.
- Develop offline-first Android applications using Capacitor and SQLite with synchronization between local devices and cloud infrastructure.
- Integrate payment gateways, email services, third-party APIs, and WebSocket-based real-time communication.
- Improve application performance using Redis caching, BullMQ background processing, database indexing, SQL query optimization, API testing, and load testing.
- Deploy and maintain containerized applications on Linux VPS infrastructure using Docker, Nginx, Caddy, and Cloudflare.
- Collaborate with development teams on internal enterprise systems, translating operational requirements into maintainable application features.

SELECTED PROJECTS

ZPay — Payment Collection & Customer Management System

Personal Project | Full-Stack Developer

Designed and developed a web and Android payment collection and customer management platform supporting installment, recurring, partial, and one-time billing arrangements. Features customer and billing account management, collection monitoring, payment tracking, schedules, inventory, reporting, RBAC, offline-first Android operation, cloud synchronization, and online payment acceptance.

ZOrder — Multi-Branch Ordering & Management System

Freelance Project | Full-Stack Developer

Developed a multi-branch ordering platform supporting customer ordering, menu and branch management, order processing, inventory tracking, reporting, and sales analytics. Built using React, Node.js, Sequelize ORM, and PostgreSQL.

E-Commerce Platform

Freelance Project | Full-Stack Developer

Developed a full-stack e-commerce platform featuring product and category management, customer accounts, shopping cart, checkout, order processing, inventory tracking, payment integration, and administrative reporting.

Boarding House Rental Management System

Freelance Project | Full-Stack Developer

Developed a rental and property management platform for managing tenants, rooms and availability, rental agreements, recurring rent, payment records, outstanding balances, expenses, and property operations.

Fleet & Hauling ERP

Freelance Project | Full-Stack Developer

Developed an ERP platform for hauling and fleet operations covering equipment management, trip tickets, operation records, payroll, fuel monitoring, maintenance, general expenses, clients, billing, inventory, approval workflows, and management reporting.

Human Resource Information System (HRIS)

Company Internal System | Development Team Member

Contributed as part of the development team to an internal HR management platform covering employee records, geolocation-based attendance, payroll, leave and approval workflows, recruitment, disciplinary records, asset management, reporting, notifications, and role-based administration.

Point of Sale System

Company Internal System | Development Team Member

Contributed as part of the development team to an internal POS platform supporting dine-in, takeout, and delivery operations, kitchen order processing, inventory management, payment tracking, sales analytics, reporting, and real-time operational updates.

EDUCATION

Bachelor of Science in Information Systems

Makilala Institute of Science and Technology

Makilala, Cotabato, Philippines | **2024**