

John Robert C. Rodejo

Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer seeking a Full-Stack / Backend Developer role. Cum laude IT graduate who has led teams of up to 40 and shipped production systems end-to-end, from an 80-table DRRM database platform to API optimizations that reduced response times by up to 90%. Brings fast ramp-up and clear communication to help teams ship reliable features quickly.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, PHP, Dart

Frontend & Mobile: React, Next.js, React Native, Flutter, Tailwind CSS, Bootstrap, Responsive Design, Component Architecture, State Management, UI Development

Backend: Node.js, NestJS, Express.js, tRPC, Laravel, RESTful APIs, API Design, Authentication, RBAC, JWT

Databases: PostgreSQL, MySQL, MongoDB, Redis, Supabase, Database Design, Schema Design, Query Optimization, Caching

Cloud & DevOps: AWS (EC2, RDS, S3), Docker, Git, GitHub Actions, CI/CD Pipeline

Development Tools & Methodologies: Jest, Swagger, OWASP ZAP, Agile, Scrum, RAD, Unit Testing, Integration Testing

AI: LLM Integration, Prompt Engineering, Structured Outputs, AI Guardrails, Gemini API

EXPERIENCE

Quanby Solutions — Full-Stack Software Engineer Intern

Feb 2026 - May 2026

Next.js, NestJS, tRPC, PostgreSQL, AWS S3, TypeScript

- Delivered 15+ end-to-end modules across 3 production codebases in a TypeScript monorepo architecture, contributing across frontend, backend, database, and API layers
- Migrated 5 legacy modules within a 6-day sprint, performing PostgreSQL schema migrations, backend API implementation, frontend integration, and data model refactoring.
- Engineered a multi-role Clearance Module with approval/rejection workflows and AWS S3 integration, supporting secure multi-format document uploads and role-based processing

Start-up Podcast Network PH — Full Stack Software Engineer (Part-Time)

Nov 2025 - Present

React, Node.js/Express, PostgreSQL, Supabase, Redis, Jest, Swagger

- Migrated and seeded 450+ episodes and 300+ startup records from the legacy SpreadSimple platform, designing a normalized PostgreSQL data model and schema migration process
- Independently delivered the Events, Community, and Startups pages end-to-end, designing database schemas, developing RESTful APIs, and integrating frontend UI
- Optimized API performance by eliminating redundant requests and refactoring backend operations for asynchronous execution, reducing response times by up to 90% (500–1000ms to 50–300ms).

PROJECTS

e-LegTas: GIS-Based Evacuation Management System — Technical Lead & Full-Stack Developer

Feb 2025 - Nov 2025

React, Node.js/Express, PostgreSQL, Redis, Docker, AWS (EC2, RDS)

- Built a real-time GIS-based evacuation management system using OpenStreetMap and Server-Sent Events (SSE), tracking live evacuee counts, demographics, and personnel across 70 evacuation centers.
- Redesigned authorization using JWT claims and server-side caching, eliminating redundant queries and reducing backend response times by up to 80% (300–500ms to 50–100ms).
- Implemented a CI/CD pipeline with GitHub Actions and Docker, automating unit test, lint, and build checks before deploying the application to AWS EC2 with Amazon RDS
- Conducted security testing using OWASP ZAP, identifying and remediating SQL injection risks and eliminating all high- and medium-severity findings
- Hardened application security by implementing Helmet.js for HTTP header protection and Redis-based rate limiting, mitigating common web threats and API abuse

ResumeIQ: AI Resume & Job Match Analyzer — Full-Stack Developer

Jul 2026

Next.js, TypeScript, Supabase, Gemini API, Tailwind CSS, PostgreSQL

- Engineered an LLM-powered resume analysis pipeline using the Gemini API, processing resumes and job descriptions into structured Must Have, Nice to Have, and Skill Gap classifications.

- Designed structured prompt workflows and predefined JSON response schemas, producing consistent AI outputs for reliable frontend rendering and downstream processing.
- Built an AI recommendation engine that analyzes candidate experience against job requirements, identifying projects, skills, and experiences to emphasize for each target role.

One Legazpi: Citizen Services & Emergency Information Platform — Full-Stack Mobile Developer **Mar 2026 - Jun 2026**

Flutter, Dart, Riverpod, Dio, Firebase Cloud Messaging (FCM), SSE, REST API

- Developed a Flutter-based civic platform integrating evacuation information, document requests, incident reporting, and emergency notifications into a unified mobile app.
- Architected the Flutter application using Riverpod for scalable state management, Dio for API communication, and SSE for real-time evacuation center occupancy updates.
- Implemented Firebase Cloud Messaging (FCM) for push notifications and map-based routing to evacuation centers, enabling users to receive updates and navigate to available facilities.

AssetTrack: QR-Based ICT Asset & Lending Management System — Full-Stack Developer

Jun 2026

Next.js, TypeScript, Supabase, PostgreSQL

- Developed a mobile-responsive QR-powered check-in/check-out workflow recording borrowing histories, improving asset traceability, accountability, and audit readiness for school ICT operations.
- Automated DCP Packages Utilization Report generation by transforming asset and lending records into structured reports, streamlining workflows and reducing administrative effort.

AliTapTap: NFC Card E-Commerce Platform — Full-Stack Developer

Feb 2024 - May 2024

React Native, React, Node.js, Express, Tailwind, PayMongo

- Engineered a React Native WYSIWYG editor supporting drag, resize, image layering, and real-time preview for NFC card customization.
- Integrated PayMongo payment processing to support transactions across credit/debit cards, GCash, and GrabPay

SiyenSHOP: Campus E-Commerce Platform — Project Lead & Lead Developer

Sep 2024 - Dec 2024

Livewire, Laravel, Bootstrap

- Led 40 developers across 8 teams, coordinating task assignments, Git workflows, code reviews, and cross-module integration for a Laravel-based campus e-commerce platform.
- Resolved merge conflicts and architectural integration issues while developing application modules using Laravel, Livewire, Bootstrap, and MySQL within an Agile Scrum workflow.

EDUCATION

Bicol University, Legazpi City

BS Information Technology, cum laude

AWARDS & HONORS

- 1st Place — 21st Student R&D Forum, Bicol University, Climate Change Adaptation & Disaster Risk Reduction Management (CCA-DRRM) Development Category for e-LegTas: GIS-Based Evacuation Management System (2025)
- Cum Laude — Ranked 11th Among BS Information Technology Graduates, Bicol University (2026)

LEADERSHIP & ORGANIZATION

Google Developer Groups on Campus — Bicol University

Project Lead | 2025 – Present | Web Developer | 2024 – 2025

- Led the development of the official GDG on Campus Bicol University website while coordinating student developers across collaborative technical projects and campus initiatives.