Dexter Ian N. Javier

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Full-stack developer skilled in TypeScript, JavaScript, React, Node.js (Express), PostgreSQL, and MongoDB. Builds scalable SaaS and real-time applications with strong UI/UX, cloud integration, and automated workflows. Passionate about AI-driven, multi-tenant systems and end-to-end deployment of modern web platforms.

Experience

Stellarsat Solutions Inc., Data Analyst Intern
March 2025 - June 2025
• Analyzed large datasets from the cloud using Grafana to identify patterns and actionable insights.
• Integrated existing APIs into the company dashboard, enabling real-time visualization and monitoring of key metrics.
• Processed and managed millions of data points, ensuring accuracy, performance, and scalability of the analytics system.

AquaPonnect, Full-Stack App Developer & Embedded Systems Engineer
August 2024 - February 2025
• Developed a Full-Stack Mobile app and embedded system for a real-time aquaponics monitoring and control solution.
• Implemented real-time cloud communication between sensors, actuators, and the mobile app.
• Recognized as the Best Capstone Project, showcasing innovation in IoT automation, sustainability, and system reliability.

Education

Polytechnic University of the Philippines
Bachelor of Science in Information Technology, October 2021 - October 2025

Skills

React, TypeScript, JavaScript (ES6+), Node.js (Express.js), PostgreSQL, MongoDB, Supabase, Firebase, RESTful APIs, API Development & Integration, WebSockets, Authentication (JWT, OAuth2), OpenAI API, PayPal API Integration, Retrieval-Augmented Generation (RAG), Cloud Deployment (Render, Railway, Vercel), Git, GitHub, HTML, CSS, UI/UX Design (Tailwind CSS, Material UI, Framer Motion), Agile Development, Real-time Systems

Projects

TaskWise – Multi-Tenant SaaS Task Management Application
React (Vite), JavaScript, Tailwind CSS, Material-UI, Framer Motion, Node.js, Express.js, MongoDB, Socket.io, OpenAI API, Supabase, JWT, Redis, PayPal API, Resend API
• Achieved scalable multi-tenant architecture with role-based access (Leader, Admin, Member).
• Enhanced team productivity with real-time collaboration via Socket.io and online presence tracking.
• Built AI-powered chatbot and semantic FAQ search using OpenAI + Supabase (RAG).
• Optimized billing efficiency with PayPal API integration and automated invoicing via NodeCron.
• Improved user engagement through responsive UI, adaptive theming, and smooth CRUD interactions.
• Implemented automated email notifications and onboarding workflows with Resend API.
• Strengthened security with Redis-based rate limiting, JWT + Google OAuth2 authentication, and audit logging.

WatchRoom – Real-Time Video Watch & Chat Platform
React (Vite), TypeScript, Tailwind CSS, Node.js, Express.js, PostgreSQL, Supabase, Mux, JWT, React Player
• Built a social web app enabling friends to watch videos together and chat in real-time with live participant tracking.
• Achieved real-time chat responsiveness under 100ms latency using Supabase Realtime subscriptions.
• Optimized video upload and playback workflows, reducing load times by 40% via adaptive streaming (Mux).
• Developed private/public room system with secure key regeneration, participant management, and moderation.
• Integrated Google OAuth2 + JWT authentication for secure user access and session management.
• Designed responsive, cinematic UI with Tailwind CSS, React Player, and custom playback controls.
• Reduced server overhead by 60% through a non-synced video architecture for flexible viewing.

ApplAi – Job Application Tracker
React (Vite), TypeScript, Tailwind CSS, Express.js, Node.js, PostgreSQL, OpenAI API, JWT
• Built a full-stack platform to track applications, manage resumes, and streamline job search workflows.
• Integrated OpenAI-powered interview prep for personalized, role-specific question generation and insights.
• Implemented secure authentication, efficient CRUD operations, and a responsive, modern UI.

Portfolio Website - Personal Full-Stack Web App
React (Vite), TypeScript, Tailwind CSS, Node.js (Express), Supabase, OpenAI API, Retrieval-Augmented Generation (RAG)
• Built a personal full-stack portfolio website featuring an interactive AI chatbot connected to Supabase and OpenAI API using RAG for context-aware responses.
• Designed a dynamic project showcase with smooth animations, dark/light themes, and SEO-friendly routing.