JOHN ADRIAN TICATIC

Software Engineer / Software Developer

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SKILLS

Languages
TypeScript, JavaScript, Python, C# / VB.NET

Frontend
React, Next.js, Tailwind CSS

Backend
Node.js, PostgreSQL, Drizzle ORM, Supabase, MySQL, MongoDB

Cloud & DevOps
Docker, GitHub Actions, Vercel, Render

Testing
Vitest, Playwright

AI Tools
Claude Code, Codex, Claude, ChatGPT, GitHub Copilot, Cursor, Groq AI, Prompt engineering

Desktop & Other
Electron.js, VB.NET, WinForms, .NET Framework

EDUCATION

BS Computer Science
Batangas State University
Lipa Campus
Graduated August 2022

CERTIFICATIONS

Claude 101
Anthropic Academy • 2026

Claude Code 101
Anthropic Academy • 2026

Introduction to Claude Cowork
Anthropic Academy • 2026

PROFILE

Software Engineer with 2+ years of experience building full-stack web applications and desktop systems for corporate and laboratory environments. Skilled in React, Next.js, and Node.js for the web, and VB.NET/.NET for desktop systems, with a strong foundation in clean code, system design, and cross-functional collaboration. Passionate about solving real operational problems through scalable, user-focused technology.

EXPERIENCE

Computer Programmer I — Jan 2024 - Present
Newborn Screening Center - Southern Luzon

- Designed and developed custom internal applications to replace an unsupported legacy LIMS, improving reporting and operations across departments.
- Built a centralized Corporate Dashboard integrating Oracle and MySQL for real-time data visualization and KPI tracking.
- Delivered Accounting, Replacement, and Image Verification systems to automate key internal workflows.
- Improved system performance by 40% through query optimization and backend refactoring.

IT Support / Operator — Feb 2023 - Jul 2023
Star Tollway Corporation

- Provided data entry and hardware/software support across company operations.

PROJECTS

Job Application Assistant — *Next.js, TypeScript, PostgreSQL, Vercel*
Phone-first app that fetches jobs daily from 8 official job APIs, ranks them, and flags scam posts, with AES-256-GCM encrypted data, GitHub OAuth + argon2id login, and 800+ automated tests. Demo: job-assistant-demo.vercel.app

Task Management App — *React, TypeScript, Node.js, MongoDB*
Full-stack MERN app with drag-and-drop task organization, workspace collaboration, and dark mode; deployed across Vercel, Railway, and MongoDB Atlas. Demo: task-management-app-rust-two.vercel.app

Corporate Dashboard — *React, TypeScript, Oracle DB, MySQL*
Multi-module dashboard for data visualization, lab tracking, and follow-up management, integrating Oracle and MySQL with a Node/Express backend. Demo: nscsl-dashboard.vercel.app

File Management System — *React, TypeScript, Node.js, PostgreSQL*
Secure internal platform for file organization and role-based access, with real-time team messaging built in via WebSockets. Demo: file-management-system-avhs.vercel.app

Image Verification System — *VB.NET, WinForms, .NET Framework*
Real-time LAN-based desktop application for image verification with instant notifications between connected clients.

Accounting System — *VB.NET, WinForms, MySQL, Crystal Reports*
Desktop financial management system handling receivables, payables, and reporting via Crystal Reports.