

Raniel Art N. Montebon

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Professional Summary

Full-Stack Software Engineer specializing in TypeScript, React, and Next.js, with proven experience building both automation systems and production web platforms end-to-end. At Inventiv, I architected an Electron-based B2B SaaS platform driven by Playwright and Camoufox browser automation for large-scale scraping and live API interception. I pair strong modern frontend skills, including React server-side rendering, admin dashboards, and REST/GraphQL integration, with resilient backend services (Flask, FastAPI, .NET) built on Clean Architecture, CQRS, and DDD. Comfortable owning features across the full SDLC, from selector-resilient scrapers and monitoring to CI/CD pipelines and OTA delivery, I consistently translate evolving requirements into maintainable, performant software.

Technical Skills

Languages: C#, TypeScript, JavaScript, Python, SQL, Java

Frontend: React.js, Next.js, React Native, Electron, TanStack Query, Redux Toolkit

Backend: Node.js, NestJS, .NET / ASP.NET Core, FastAPI, Flask, GraphQL, REST, Express.js

Automation & Scraping: Playwright, Camoufox, Patchwright, CloakBrowser, API Interception

Databases & ORM: PostgreSQL, SQL Server, MySQL, DynamoDB, Supabase, Firebase, Prisma, EF Core

DevOps & Tools: GitHub Actions (CI/CD), Docker, Redis, AWS Lambda, Azure, NGINX

Experiences

Inventiv – Full Stack Developer Intern

Davao City, Davao del Sur | January 2026 – June 2026

Tech Stack: Playwright, Camoufox, Flask, Redis, Firebase, Dynamodb, React.js, Electron, Github Actions

- Architected and built an Electron-based B2B SaaS platform end-to-end, implementing Playwright + Camoufox browser automation to perform large-scale scraping and live API interception, shipped a cross-platform CI/CD pipeline on GitHub Actions that builds Electron artifacts (.exe, .dmg, .ApplImage)
- Reduced metrics-aggregation latency by introducing a Cron background service-polling layer paired with Redis caching, cutting redundant computation and delivering near real-time dashboard updates

MooManage AgriTech - Full Stack Developer

Davao City, Davao del Sur | December 2024 – December 2025

Tech Stack: React Native, FastAPI, TypeScript, GraphQL, RESTful, Supabase

- Improved frontend component speed by 40%, reducing user interaction delays and bounce rate
- Fixed auth flaw where expired tokens caused unauthorized access with undefined data; added renewal logic to restore secure sessions across frontend and backend
- Integrated backend and frontend for secure API communication and real-time UI consistency

Infosoft Consulting Corp. – Business Application Developer Intern

Davao City, Davao del Sur | August 2025 – October 2025

Tech Stack: C#, WindowsForm, ASP.Net Core, .Net, MySQL, EF Core, BQL, Acumatica

- Developed production-level business applications using Acumatica, C#, Windows Forms, and .NET
- Gained hands-on training in C#, Windows Forms, and database with MySQL Server and EF Core.

Projects

FarmIQ: An AgriTech Ecosystem Platform

April 2026

Tech Stack: Next.js, .NET, React Native, Azure Web Apps, FCM, Supabase, FCM, PostgreSQL, Tanstack

- Built a full-stack platform across a Next.js 14 admin dashboard, React Native mobile app, and APS.NET Core REST API using Clean Architecture and DDD, with strict layer separation via CQRS, MediatR handlers, and FluentValidation pipeline behaviors.
- Integrated FCM with per-user and per-role topic subscriptions, role-aware deep-link routing across four user types, foreground message interception via TanStack Query cache invalidation, and token invalidation on logout to prevent stale push delivery.
- Built an admin audit log system capturing transactions, actor role, IP, request source, and JSON-diffed before/after values per mutation, with a live session tracker and multi-filter paginated UI.

STRUKTURA: Digital Center for All Construction Needs

April 2026

Tech Stack: React 19, TypeScript, Vite, TanStack Router, NestJS 11, PostgreSQL Supabase, Redis + BullMQ, Docker, GitHub Actions CI/CD · PayMongo, Leaflet/OpenStreetMap

- Architected an enterprise-grade backend for the virtual office booking system using NestJS, PostgreSQL, and Prisma ORM, strictly enforcing Clean Architecture and Domain-Driven Design (DDD) principles to maintain a pure, isolated domain layer
- Implemented the CQRS pattern to optimize read and write operations, and integrated BullMQ for robust background job processing, effectively decoupling persistence from infrastructure to ensure high testability and readiness for microservices extraction

CommunSide: Virtual Office and Co.

February 2026

Tech Stack: Next.js, .NET, Azure Azure Web Apps, Supabase, Docker, NGINX, PostgreSQL

- Architected a .NET 9 virtual office platform using Clean Architecture and Domain-Driven Design
- Designed a PostgreSQL domain model with EF Core to enforce transactional double-booking prevention, price snapshotting, and race-safe reference generation.
- Built a Next.js frontend and ASP.NET API integrating Azure Blob Storage, TanStack Query, and HTTP-only cookie authentication for administrative workflows.

Leadership and Activities

UM CCE Skills Clinic - Lead Technology Mentor

August 2024 - 2025

- Mentor students in Java, JavaScript, and MySQL, led a full stack bootcamp for over 200+ graduating BSIT and BSCS students, facilitated workshops for computing students, earned Top Mentor Award

Certifications

IT Specialist – HTML/CSS from Certiport	July 2025
IT Specialist – Databases from Certiport	December 2024
UM CCE Skills Clinic Top Mentor	May 2024

Education

University of Mindanao - Matina	Davao City, Davao del Sur
Bachelor of Science in Computer Science	August 2022 - 2026
Dean's Lister (1st – 4th Year), UM Honor Society Scholar	