

Francis John Saul M. Tin-ao

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Portfolio: <https://francistinao.vercel.app> LinkedIn: <https://www.linkedin.com/in/francistinao/> Github: <https://github.com/francistinao>

TECHNICAL SKILLS

- **Languages:** TypeScript, Python, C, PHP
- **Web & Mobile:** ReactJS, NextJS, React Native, TailwindCSS, Framer Motion
- **Backend & Databases:** Node.JS, Express.JS, NestJS, tRPC, Laravel, FastAPI, PostgreSQL, MongoDB, Firebase, Supabase, Prisma
- **DevOps & CI/CD:** Docker, Git, Github, AWS
- **AI/ML Development:** PyTorch, Tensorflow

EDUCATION

1.39 GWA - Magna Cum Laude, *Caraga State University - Main Campus* August 2021 - June 2025
BS in Information Technology

EXPERIENCE

Full Stack Developer | Nurture Your Leads | Full-time | Remote January 2025 - Present

- Translated Figma prototypes into responsive, production-ready Next.js applications, ensuring design fidelity across devices and seamless user experience.
- Engineered full-stack solution real estate platform, integrating lead sync automation, Agentic AI integrations with n8n, payment gateway, user-centric UI/UX enhancements and debugging to streamline property and campaign management.

Project Technical Assistant I (Junior VR Programmer) | PAMANA | Contract April 2025 - Present

- Designed and developed an immersive virtual environment representing the Manobo tribe, including an interactive cultural dance replication system, handling VR logic and algorithm development.

Web Developer Intern | Butuan City Tourism and Cultural Affairs Department | Internship February 2025 - May 2025

- Led the full-stack development of a robust internal web system for the Butuan City Tourism Department: architecting scalable backend infrastructure, designing a centralized database for multiple divisions, applying OWASP-based security measures, and delivering a mobile-responsive, user-centric interface.

Co-Founder & Software Engineer | Exon | Self-employed June 2024 - April 2025

- Led a team of developers to successfully deliver quality products that continue to drive operational excellence for a thriving business.
- Designed and engineered quality systems tailored to the requirements of small businesses and school projects, prioritizing user-centric design principles for an intuitive user experience.

Start-up Incubatee at Navigatu, Caraga State University | Contract February 2023 - October 2024

- Led a team responsible for the successful implementation and delivery of the application, ensuring exceptional quality and user satisfaction.
- Developed a Full-stack Management Information System using ReactJS and Express.JS integrating OpenAI API for itinerary generation automation.

RELEVANT PROJECTS

STELLA.ai — Undergraduate Thesis | [Github URL](#)

- Achieved early detection and classification of ischemic and hemorrhagic strokes by developing an AI-driven medical imaging platform using U-Net and Mask R-CNN models through full-stack web deployment, resulting in improved diagnostic speed and accuracy for radiology professionals.
- Tech Stack: Python, PyTorch, FastAPI, U-Net, Mask R-CNN, React.js, Electron.js, TailwindCSS, Vercel, Docker

Questionooze | Full Stack Development | [Live URL](#)

- Achieved automated generation of Bloom's Taxonomy-aligned questions for educators by developing an AI-powered platform that converts lecture slides (PDF/PPT) into question sets through OpenAI integration, resulting in reduced manual workload and improved learning outcome consistency.
- Tech Stack: TypeScript, React.js, TailwindCSS, Supabase, OpenAI API, Node.js

ts-performance-analyzer | npm library | [Package URL](#)

- Achieved optimized TypeScript performance debugging tool for developers by publishing a CLI package that benchmarks and analyzes TypeScript code execution through Node.js internals, resulting in streamlined performance profiling during development workflows.
- Tech Stack: TypeScript, Node.js, V8 Inspector, NPM CLI

PinPals | Full Stack Development | [Github URL](#) | [Live URL](#)

- Achieved improved productivity for 22+ students by building a tab management app through React.js and Express.js, resulting in faster access to frequently used online resources.
- Tech Stack: JavaScript, React.JS, TailwindCSS, Express.JS, Vercel

What The Fee | Full Stack Development | [Github URL](#) | [Live URL](#)

- Achieved secure financial operations for a student government by leading the development of a full-stack finance system through layered authentication (ID scan, OTP, Q&A), resulting in minimized data breaches and streamlined online payments.
- Integrated Third-party API such as Paymongo API for online payment module and Pusher for real-time notification.
- Tech Stack: TypeScript, ReactJS TailwindCSS, Express.JS, PostgreSQL, Laravel, Pusher, Paymongo API, Vercel, Railway

Istorya | Full Stack Development | [Github URL](#) | [Live URL](#)

- Achieved seamless real-time communication between users by integrating Getstream.io WebSocket services through a custom React.js frontend, resulting in low-latency chat performance and enhanced user experience.
- Tech Stack: TypeScript, React.JS, TailwindCSS, Getstream.io, Express.JS, Vercel