

KENTWARD M. MARATAS

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PROFILE

A passionate full-stack developer dedicated to delivering innovative solutions and building efficient and software applications, with a focus on creating scalable and maintainable architectures. Adaptable and resilient, with the ability to overcome challenges through continuous learning and improvement. Actively exploring and interested with software architecture designs that aligns with business goals and drive success.

TECHNICAL PROFICIENCIES

Frontend Development	HTML, CSS, JavaScript, Typescript, React.JS, Next.JS, TailwindCSS
Backend Development	Nest.JS, Express.JS, ASP.NET, MySQL, PostgreSQL, Supabase
Other Languages	C, C#, Python
Other Technologies	Git, Linux, Docker

EDUCATION

Bachelor of Science in Information Technology Aug 2023

University of San Carlos *Cebu City, Philippines*

EXPERIENCE

Backend Developer Jan 2025
USC Computer and Information Sciences Council - Project Hermes [Link](#)

- Contributed to backend queue system for enrollment concerns among DCISM students, ensuring security and efficiency using Elysia.JS and Typescript.
- Implemented JWT-based authentication for secure student access.
- Developed middleware to validate student sessions and authorization for course features.
- Collaborated with the development team to enhance system functionality and its security.

Frontend and Backend Developer In Progress
AppCon 2025 Hackathon – PlayOn [Link](#)

- Contributed to Frontend using React-Native and Typescript, and Backend System using Python Fast API and Prisma of a Sports Matchmaking Mobile Application catering to sports enthusiasts and individuals looking to play with others.
- Implemented a Real-Time Chat and Group Chat System using WebSocket, enhancing communication within the app.
- Developed an interactive Chat and Group Chat UI components to ensure a seamless and engaging user experience.
- Collaborated with DCISM students to integrate features, assign tasks and improve overall application performance and functionalities.

PROJECTS

BookTrack (ReactJS, Supabase, ExpressJS) Link	Jul 2024
<ul style="list-style-type: none">• Developed a web-based e-commerce platform specializing in books and e-books, allowing users and outlets to sell their books with location display for physical purchases. Buyers can choose between prepayment or cash on delivery.• Used NodeMailer with Express.js to send notifications to users and generate reports.• Utilized Supabase as the backend service to manage data and ensure seamless application performance.• Integrated a real-time chat system using Supabase Real-Time feature to facilitate communication between sellers and buyers.	
Twitter-Clone (ReactJS, TailwindCSS, ExpressJS, MongoDB) Link	Aug 2024
<ul style="list-style-type: none">• An inspired social media web application of X.com formerly known as Twitter, to understand the basic concepts of REST API using ExpressJS.• Utilized Axios for data fetching, connection and communication between frontend and backend.	
FPS-Game (C#, Unity) Link	Dec 2024
<ul style="list-style-type: none">• Developed a First-Person Shooter Game featuring a quest, "Deliver the Crate," where players defend against zombies, complete objectives, and deliver a crate to a designated location.• Implemented Object-Oriented Programming (OOP) principles to reduce code redundancy, streamline functionality, and ensure a scalable and maintainable architecture.	
Beareye (React, Typescript, TailwindCSS, ASP.NET, PostgreSQL) Link	Dec 2024
<ul style="list-style-type: none">• Developed a Demo Crypto Market Social Trading Platform where Web3 degenerates can; lookup new memecoin listings, buy and create memecoins on a chain, track their portfolio, see price trends and interact with fellow degenerates. Design was Inspired by Birdeye.so	
Momento (React-Native, Typescript, TailwindCSS, NestJS, DrizzleORM) Link	In Progress
<ul style="list-style-type: none">• An Engage to Earn Mobile Application that blends digital expression with real-life engagement, where users can earn rewards by engaging and share or capture experiences through a blog post.• Leveraged Metaplex libraries in the backend to implement NFT minting and transfer functionality within an NFT collection, while also enabling the claiming of Momento tokens.• Built a Basic Blockchain Marketplace featuring a marketplace wallet as an escrow functionality to ensure secure transactions between buyers and sellers.• Integrated Phantom Deeplinks in the mobile application to facilitate seamless blockchain transactions on mobile devices.• Developed a Gen AI image validation system based on provided training sets for daily real-life quests, allowing users to earn tokens that are claimable after 14 days.• Integrated Solana Web3.js libraries for blockchain transactions and enhance the app's functionality.	

Finnbank (React, Typescript, Tailwind, Golang, GraphQL, gRPC) [Link](#)**In Progress**

- Developed an online banking platform utilizing Microservices Architecture using Golang to provide scalable, reliable, and maintainable banking services.
- Implemented core banking functionalities, such as including account management, funds transfer, bill payments, loan processing, statement pdf generation and transaction history tracking.
- Implemented gRPC for inter-service communication and integrated it with GraphQL, which then communicates with the REST API gateway. The REST API gateway serves as the only public-facing endpoint for secure and efficient access to the system.

CERTIFICATIONS

Udemy Machine Learning A-Z: AI, Python [Link](#)**Jan 2025**

- Gained comprehensive knowledge of machine learning fundamentals and basics, including supervised and unsupervised learning, data preprocessing, model selection, and evaluation techniques using Python.