John Carlo S. Misa

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Portfolio: https://jcm-portfolio.vercel.app/

SKILLS SUMMARY

- **Programming Languages**: JavaScript, TypeScript, C#, SQL, Java, PHP, Python
- **Frameworks & Libraries**: Next.js, React Native, .NET Core MVC, .NET Web API, Spring Boot, Pandas, Zustand
- **Databases & Tools**: MySQL, PostgreSQL, SQL Server, Neon Serverless DB, Drizzle ORM, Convex, Excel, Jupyter Notebook, Google Colab
- **Platforms & APIs**: Vercel, Clerk Auth, Stripe, Gemini API, YouTube API, Next Auth, Git, Github
- **Soft Skills**: Problem-solving, Effective Communication, Adaptability, Time Management, Creative Solution Design

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WORK EXPERIENCE

Front-End Developer   July 2025 – Present

Philadelphia Truck Parts (Remote, US Client)

- Spearheaded the development of a complex, responsive admin system as one of the company's foundational developers, utilizing React Vite, TypeScript, and Tailwind CSS/shadcn.
- Translated high-fidelity Figma mockups into pixel-perfect, fluid UI components, ensuring design consistency and a superior user experience across all devices.
- Engineered core application features, including advanced map integration using Mapbox, for efficient data visualization and management.
- Managed complex application state with Zustand and implemented robust form handling using React Hook Form, significantly improving data flow and user input validation.
- Collaborated effectively with the Senior Developer, contributing to the codebase via GitHub by routinely cloning, committing, pushing, creating PRs, managing branches, and proficiently resolving merge conflicts.
- Collaborated closely with a Senior Developer for 5 months to establish the proposed system design from scratch, gaining deep expertise in modern development best practices and system architecture.
- Elevated system robustness and developer efficiency by adopting modern and in-demand tools, resulting in a highly maintainable and scalable codebase.

Freelance Web & Software Developer   2021 – 2025

- Architected and deployed 15+ responsive web and mobile applications for clients, achieving 90% client retention using Next.js, React Native, and .NET frameworks.
- Designed and optimized database schemas with MySQL, PostgreSQL, and Neon Serverless DB, reducing query execution time by 25% using Drizzle ORM.
- Developed 5+ RESTful APIs with .NET Web API, NextJS, and NodeJS, enabling seamless integration with services like Stripe and Clerk, improving transaction success rates by 85%.
- Conducted data analysis with Python and Pandas in Jupyter Notebook/Google Colab, delivering actionable insights that increased client decision-making efficiency by 40%.
- Enhanced application scalability on Vercel, achieving 99% uptime and reducing load times by 20% through performance optimization techniques.
- Collaborated with clients and colleagues to translate requirements into technical solutions, providing maintenance and support with 95% on-time delivery.

EDUCATION

Laguna State Polytechnic University (GWA 1.50)   San Pablo City, Laguna, Philippine

Bachelor of Science in Information Technology Major in Web and Mobile Development   June 2022 – Present

Canossa College   San Pablo City, Laguna, Philippine

PROJECTS

Aidea: AI-Powered Virtual Health Diagnostics | LINK   September, 12 2025 – September, 20 2025

- Developed a next-generation AI-powered virtual checkup assistant using Next.js 15 and TypeScript, designed to diagnose health issues via natural language voice interaction.
- Integrated Vapi for seamless voice assistant functionality and AssemblyAI for accurate, real-time session transcription.
- Engineered a robust reporting feature that utilizes Generative AI to produce comprehensive session summaries, medication recommendations, and personalized advice.
- Implemented secure authentication and subscription-based billing using Clerk, establishing a full-service platform.
- Designed the front-end using Tailwind CSS and shadcn to achieve a modern, responsive, and highly polished user experience.

Zeno: AI-Powered Online Code Editor | LINK   April, 12 2025 – April 20, 2025

- Engineered a real-time code editor with Next.js and Convex, leveraging Gemini API to provide code suggestions, boosting developer productivity by 30%.
- Designed and implemented an efficient backend using Next.js with Convex real-time database for seamless collaboration and instant code synchronization across users.
- Enabled real-time collaboration for simultaneous users, achieving 98% synchronization accuracy.

AIIM: AI Interview Mocker & Assessment Platform| LINK   July, 02 2024 – July, 16 2024

- Created an AI-powered interview simulation platform using Next.js and JavaScript, enabling users to practice with dynamically generated questions and microphone input.
- Utilized Gemini API (Generative AI) to generate diverse sets of interview questions and provide in-depth, personalized assessment and rating of user responses.
- Integrated Stripe for payment processing and Clerk for secure authentication and user management, successfully establishing a scalable SaaS model.
- Built the interface with Tailwind CSS and Shadcn to deliver a professional, intuitive, and highly responsive user experience.

CERTIFICATES

12th IT Skills Olympics | CERTIFICATE   Makati, Philippines

University of Makati Participant   November 24, 2023

- Competed in IT skills challenges, showcasing innovation and problem-solving abilities.
- Collaborated with team members to tackle complex IT tasks.
- Received recognition for outstanding performance in multiple categories.

GreatStack Certificate of Completion | CERTIFICATE   Remote

React Project: Gemini Clone App   June 20, 2024

- Successfully completed and implemented a project using React.
- Developed a clone app with features replicating the original Gemini platform.
- Improved user interface and experience through iterative testing and feedback.

Cisco Networking Academy | CERTIFICATE   Online

Certificate of Completion: Networking Devices and Initial Configuration   September 16, 2024

- Completed coursework on networking devices and initial configuration.
- Gained hands-on experience with configuring routers and switches.
- Demonstrated proficiency in network troubleshooting and maintenance.

Google Developer Skill Badge: Building for tomorrow with the Gemini API | CERTIFICATE   Remote

Google Developer   August - April 2024

- Completed a project on Gemini API, developing AI-powered applications with 90% efficiency in prompt engineering and multi-modal integration.
- Gained practical knowledge in prompt engineering, multi-modal AI capabilities, and efficient API utilization for various development scenarios, including text and image generation.
- Developed foundational skills in building intelligent applications and features, enhancing capabilities in AI-powered web development and innovative solution design.