John Carlo S. Misa

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Portfolio: https://jcm-mocha.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
- **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
- **Soft Skills**: Problem-solving, Effective Communication, Adaptability, Time Management, Creative Solution Design

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WORK EXPERIENCE

Freelance Web & Software Developer   2021 – Present

- 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 and Spring Boot, 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 10+ clients 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 2021 – Present

Canossa College   San Pablo City, Laguna, Philippine

Accountancy, Business and Management   June 2019 – March 2021

PROJECTS

TechTrail: AI-Powered Learning Management System (LMS) | LINK   March 2025 – April 2025

- Developed a comprehensive LMS using Next.js, Neon DB, and Drizzle ORM, featuring AI-driven course and reviewer generation through Gemini API integration, improving user engagement by 35%.
- Implemented scalable backend APIs with .NET Web API to manage course content, user authentication, and data retrieval, ensuring a scalable and secure platform.
- Integrated YouTube API for dynamic video content, increasing user retention by 25% through interactive learning features.

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.

CogniCare: AI Virtual Checkup Assistant | LINK   May, 16 2025 – May, 25 2025

- Developed an innovative AI-powered virtual checkup assistant using Next.js, NeonDB, and Drizzle ORM, aiming to improve healthcare accessibility and efficiency.
- Implemented Clerk Auth for secure user management, reducing unauthorized access incidents to 0%.
- Integrated VAPI for natural language voice interaction, enabling users to conduct preliminary health assessments and receive personalized recommendations.
- Optimized backend performance, decreasing response times by 15% for seamless user experiences.

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.