Jay Mark Nicolas

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A Full-Stack Software Engineer with expertise in Next.js, React, TypeScript, Tailwind CSS, Prisma, PostgreSQL, MySQL, Laravel, WordPress, Python Svelte, and UI/UX design. Passionate about building scalable, high-performance, and user-friendly web and mobile applications that merge technical excellence with intuitive design. Experienced in developing seamless digital experiences, custom themes, and efficient systems that drive engagement and business growth.

Experience

Scaleforge, Intermediate Frontend Engineer
June 2025 - Present
- Develop and maintain scalable, high-performance web applications using Next.js, Svelte, and TypeScript.
- Build cross-platform desktop applications using Electron.js, integrating web technologies to create seamless, native-like experiences for Windows, macOS, and Linux users.
- Implement modern, responsive, and accessible user interfaces optimized for speed, SEO, and Core Web Vitals.
- Integrate RESTful APIs and GraphQL endpoints, leveraging efficient data-fetching strategies and caching mechanisms.
- Collaborate closely with designers to translate complex UI/UX designs into intuitive, interactive, and consistent front-end experiences using Tailwind CSS and reusable component-based architectures.
- Apply performance optimization techniques, including lazy loading, code splitting, and asset caching, to improve load times and user experience.
- Contribute to design systems and internal component libraries to ensure code scalability and maintainability across projects.
- Work within Git-based workflows and CI/CD pipelines to deliver production-ready builds with high reliability and minimal downtime.
- Recognized for problem-solving, innovation, and delivering high-quality front-end and desktop solutions on time and at scale.

Syntactics Inc., Junior Web Developer
July 2022 - June 2025
- Develop and maintain responsive websites and web applications using Next.js, React, Laravel, WordPress, and TypeScript.
- Build and optimize custom WordPress themes and plugins, ensuring accessibility, cross-browser compatibility, and performance.
- Translate complex UI/UX designs into interactive and accessible front-end interfaces using Tailwind CSS, React, and Headless CMS approaches.

- Implement RESTful APIs and GraphQL integrations in Next.js projects, utilizing Apollo Client for efficient data fetching, caching, and real-time updates.
- Develop and optimize cross-platform mobile applications using Ionic and React Native, ensuring tight integration with web backends.
- Enhance site SEO and Core Web Vitals, using tools like Lighthouse, structured data, and semantic HTML.
- Collaborate in Git-based environments with CI/CD pipelines for streamlined development and deployment.
- Consistently recognized with company awards for innovation, performance, and contribution to high-impact projects.

Freelance Web & Software Developer, Self-Employed
May 2022 - Present
- Built scalable full-stack applications using Next.js (App Router), React, GraphQL, Prisma, and PostgreSQL with a focus on performance and maintainability.
- Designed a complete Inventory & POS System with custom product schemas, real-time sales reporting, and barcode integration using Next.js, Prisma, and Chart.js.
- Integrated GraphQL APIs with Apollo Server and Client, enabling fine-grained data querying, schema stitching, and reusable fragments across components.
- Built a Building Construction Monitoring System using Laravel, MySQL, and REST APIs to provide dynamic tracking dashboards and project timelines.
- Developed job and business portals with custom authentication, user role management, and dashboard analytics using Laravel and React.js.
- Explored SvelteKit for prototyping lightweight, reactive web applications, focusing on state management, animations, and transitions.
- Built mini-projects with Svelte and SvelteKit for optimized page loads and minimal JS bundles.
- Used Svelte stores, reactive statements, and file-based routing for rapid development and intuitive user experiences.
- Delivered well-documented systems, focusing on clean architecture, reusable components, and efficient database design.

WordPress Full-Stack Developer & UI/UX Designer, EFAM International Internship
February 2022 - May 2022
Contributed to developing the official website for the United Nations World Peace Association (UNWPA) as a WordPress Full-Stack Developer and UI/UX Designer. Designed and implemented responsive website templates in Figma, ensuring an intuitive user experience. Developed custom post types, category structures, and interactive functionalities within WordPress using PHP. Integrated contact forms connected to UNWPA's email system to improve communication and engagement. Structured website flowcharts and documentation to streamline development processes.

Education

Central Mindanao University
Bachelor of Science in Information Technology, August 2018 - June 2022
Cum Laude

Valencia National High School
Technological Vocational Livelihood – Information Communication Technology, June 2016 - April 2018

Skills

JavaScript, React, Node.js, Python, Java, HTML, CSS, SQL, Git, Agile, PHP, Laravel, Vue.js, Angular, TypeScript, Next.js, Tailwind CSS, Laravel, Express.js, React Native, MySQL, PostgreSQL, Prisma ORM, WordPress (Custom Themes & Plugins), Figma, Firebase, Python, Graphql, Inertia

Projects

WidgetFlow – Customizable Productivity Dashboard
A single-page application (SPA) built with Next.js, React, TypeScript, and Tailwind CSS, allowing users to create a personalized workspace with draggable widgets such as a to-do list, Pomodoro timer, and embeddable web pages. Integrated NextAuth for authentication and Prisma with PostgreSQL for data management.

X and C Building Construction Monitoring System
A web-based system for tracking and managing construction projects using Laravel, MySQL, JavaScript, jQuery, and DataTables. Provided real-time project monitoring, data visualization, and reporting. Designed with MVC architecture for scalability and maintainability.

Valencia City Public Employment Services Office System
Developed a job posting and applicant tracking system using ReactJS, Laravel, and Figma. Designed an accessible and responsive interface, integrated RESTful APIs, and structured a scalable database for efficient employment service management.

Happy Feet and Apparel – Inventory and Point of Sale System
An Inventory & POS System for a retail business specializing in shoes and apparel, developed using Next.js, Prisma, PostgreSQL, and ShadCN. Features real-time inventory tracking, automated stock updates, barcode scanning, and detailed sales reports for data-driven decision-making.

Certificates

Crash Course on Python
Google, March 2025

Google UX Design
Google, February 2025

Command Line Basics in Linux
Coursera, September 2024

Meta Front-End Developer
Meta, October 2023

Programming with JavaScript
Meta, May 2023

Advanced React
Meta, July 2023

Version Control
Meta, May 2023

Principles of UX/UI Design
Meta, July 2023