

Aaron Jay Malabanan

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EDUCATION

Batangas State University

Bachelor of Science in Information Technology

2018 – 2022

TECHNICAL SKILLS

Frontend: HTML, CSS, JavaScript, ReactJS, Angular, VueJS, NextJS, TypeScript, TailwindCSS

Backend: NodeJS, Laravel, ASP.NET Core, REST API, GraphQL

Testing: React Testing Library, Vitest, Cypress, Jest, Playwright, Storybook

Database: MySQL, PostgreSQL, Supabase, Drizzle ORM

AI Tools: GitHub Copilot, Claude, Claude Code, Claude API, ChatGPT, MCP Integration, Prompt Engineering

Other: Git, GitHub, GitLab, Figma, UI/UX, Vercel, CMS Integration, Azure Boards, Jira

Soft Skills: Communication, Collaboration, Problem Solving, Adaptability

WORK EXPERIENCE

Front End Engineer | BK Keyforce

July 2024 – Present

- Contributed to 4 different projects, delivering scalable frontend solutions and collaborating with cross-functional teams to meet business requirements.
- Actively contributed to full-stack application development, building both frontend interfaces and backend services to deliver complete end-to-end solutions.
- Designed and integrated authentication systems, implementing secure flows with token refresh, session management, and role-based access control.
- Applied security best practices including input sanitization, HTTP-only cookies, and Content Security Policy (CSP) to prevent XSS and CSRF attacks.
- Implemented data-fetching strategies with caching, automatic refetching, and optimistic updates to reduce boilerplate by 40% and improve data synchronization.
- Implemented global state management across multiple projects, simplifying state handling and reducing re-render overhead for improved performance.
- Established frontend design patterns including component composition, custom hooks, and state management strategies to ensure scalable, maintainable, and consistent code across the team.
- Developed unit and end-to-end tests using Vitest and Playwright, ensuring code reliability and catching regressions early in the development cycle.
- Leveraged AI-assisted coding tools (GitHub Copilot, Claude) to accelerate development, streamline debugging, and improve code documentation, resulting in 40% faster iteration cycles and more maintainable codebases.
- Utilized Model Context Protocol (MCP) to integrate AI assistants with development tools and external services, enabling context-aware assistance and streamlined workflows.
- Integrated AI-powered design-to-code workflows to transform Figma mockups into production-ready components, reducing manual translation time by 60% while maintaining design fidelity.
- Configured custom agent skills in Claude to enhance AI capabilities for domain-specific tasks, improving code generation accuracy and output quality.

Front End Developer | Blackfort PH

Sept 2022 – July 2024

- Delivered 5+ CMS projects as a frontend developer, working with clients across various industries and ensuring timely project completion.
- Gained expertise in multiple web frameworks including ReactJS and .NET Blazor, adapting to different tech stacks based on project requirements.
- Integrated headless CMS platforms (NetlifyCMS, Umbraco) and implemented i18n, SEO optimization, and Google services integration.

PROJECTS

Cage System

- Contributed to the development of The Cage System, an internal project management and operations dashboard for Betrnk's junket management ecosystem
- Designed and implemented a dynamic, user-friendly interface that consolidates complex operational data into a single platform
- Built modular, reusable, and responsive UI components using Next.js and Tailwind CSS
- Implemented scalable state management using Zustand for efficient data handling across the application
- Implemented multiple data fetching strategies including SSR (Server-Side Rendering), CSR (Client-Side Rendering), and ISR (Incremental Static Regeneration) to optimize performance and scalability
- Developed flexible and maintainable form workflows using React Hook Form
- Integrated secure authentication and role-based access control using NextAuth
- Implemented dynamic permission handling and authenticated routing to support multiple user tiers

- Collaborated with cross-functional teams to streamline workflows and improve internal operational efficiency

Span Asia

- Contributed to the development of the website for Philippine Span Asia Carrier Corporation (PSACC), one of the leading domestic shipping lines in the Philippines
- Led the creation of a custom design system using Radix UI primitives, prior to the emergence of frameworks like ShadCN
- Established reusable UI patterns and components to maintain visual consistency, scalability, and long-term maintainability across the platform
- Integrated GraphQL to efficiently fetch and manage structured content from the CMS
- Built a fast, accessible, visually cohesive, and fully responsive website optimized across desktop, tablet, and mobile devices

Daimasu

- Led the end-to-end development of the website for Daimasu, a high-end Japanese dining establishment in the Philippines
- Delivered the entire frontend through AI-assisted development, transforming Figma design files into production-ready code using Figma MCP and Anthropic's Claude
- Executed the project without manually writing code, demonstrating a fully AI-driven design-to-development workflow
- Applied AI-assisted performance optimizations, rendering strategies, scalable component architecture, and efficient data-fetching patterns
- Demonstrated how AI tooling can handle the full spectrum of frontend development tasks—from layout implementation to optimization and architectural decisions

LANGUAGES

Filipino— Native

English— Fluent