

## Aaron Jay Malabanan

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### Summary

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Solution-oriented Frontend Engineer with **4 years of experience** in web development. Passionate about staying updated with the latest trends and technologies in frontend development to drive continuous improvement. Seeking a challenging role to leverage my technical expertise.

### Work Experience

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#### Front End Engineer, Betrnk Inc

July 2024 – Present

- Designed and integrated **OAuth 2.0 with PKCE** using NextAuth in multiple projects.
- Set up and configured the project to support **next-intl** alongside **NextAuth**, establishing a consistent design pattern for scalable, secure, and localized applications.
- Optimized configuration to support **multi-environment deployments**.
- Researched and evaluated different data-fetching approaches, including **React Query** and **SWR**, and identified the most effective solution tailored to our project's requirements.
- Implemented a **standardized fetching strategy** leveraging **Nuqs** to handle initial server-side data loading and client-side revalidation.
- Optimized queries by implementing parallel and sequential asynchronous operations where appropriate, improving performance and reducing overall data retrieval time.
- Created a reusable pattern for developers to easily integrate **SSR + CSR** revalidation into new and existing projects.
- Followed the **Radix UI** implementation approach popularized by **shadcn**, leveraging accessibility features and other capabilities of headless components to deliver an optimal user experience within the application.
- Implemented **TanStack Table** to build highly customizable and performant data tables, enabling flexible configurations and efficient rendering for complex datasets.
- Implemented **Recharts** to build interactive and visually engaging graphs for presenting data, enabling clear and user-friendly visualization of trends, patterns, and key metrics within the application.
- Designed and implemented multiple reusable dropdown components for dynamic lookup data using **cmdk**, integrating **SWR Infinite** for efficient, paginated data fetching on scroll to enhance performance and user experience.
- Adopted **Zustand** as the global state management solution to simplify and streamline state handling.
- Transitioned global state handling from **React Context API** to **Zustand** for better performance and reduced re-render overhead.
- Integrated **React Hook Form** with **Zod** to manage validations, including conditional validation logic for dynamic form requirements.
- Ensured smooth UI interactions by handling edge cases like empty states, loading indicators, and error recovery.
- Aligned UI elements with internal branding and operational workflows, leveraging a structured component approach to maximize maintainability.
- Documented best practices and provided examples to encourage adoption across teams.

- Developed and maintained over **30 modules** within a single project while leading code reviews and managing pull requests to ensure code quality and team alignment.
- Used **Git tags** to mark specific points in the repository's history, enabling efficient versioning, streamlined release management, and reliable rollback to stable code states.
- Established coding patterns and best practices for the team, ensuring consistency, maintainability, and high-quality code across projects.
- Worked closely with backend engineers, QA, and business operations to ensure that real-world workflows were faithfully represented in the UI with proper validation, feedback, and auditability.
- Continuously learning and exploring **ReactJS** and its frameworks to stay up to date with the latest features, best practices, and ecosystem updates.

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## Frontend Developer, Blackfort PH

Sept 2022 – July 2024

- Collaborated closely with backend developers to implement efficient communication protocols and streamline data exchange mechanisms.
- Worked with UI/UX designers to translate design mockups into interactive, visually appealing frontend interfaces while ensuring design fidelity and usability.
- Led production deployment initiatives, overseeing the successful implementation of updates and enhancements for previous projects.
- Implemented an internal design system for **CMS** projects based on the style guide, ensuring visual consistency and improving the experience for both users and co-developers.
- Developed responsive websites and web applications that adapt seamlessly to different screen sizes and devices for a smooth user experience across desktop, tablet, and mobile.
- Actively participated in sprint planning and retrospectives, driving the adoption of best practices and agile methodologies within the team.
- Utilized Git for version control to manage and collaborate on codebases efficiently, including branching, merging, and conflict resolution.
- Integrated and configured various libraries and plugins within the **GatsbyJS** ecosystem to enhance functionality and meet project requirements.
- Integrated headless CMS platforms such as **NetlifyCMS**, **Umbraco**, and **Prismic**.
- Implemented **i18n** features within **GatsbyJS** projects for seamless localization of content and user interfaces across different languages and regions.
- Applied SEO best practices within **GatsbyJS** projects to optimize structure, metadata, and content for better search engine visibility.
- Integrated Google services such as **Google Analytics**, **Google Maps**, and others to enhance application capabilities.
- Worked on **.NET Blazor** integration with backend services to enable dynamic data handling and improved user interaction.
- Implemented tasks within Blazor pages through backend service integration to deliver interactive and data-driven features.
- Expanded expertise in front-end development by staying updated with the latest trends and techniques in animation libraries like Framer Motion.
- Integrated **RESTful APIs** into frontend applications to enable efficient data retrieval and interaction.

## Education

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### Bachelor of Science in Information Technology

2018-2022

Batangas State University

- Specialization in Network Administration
- Designed and developed a Real Property Tax Monitoring and Management System as a capstone project, implementing features for data tracking, payment management, and reporting to streamline municipal tax processes.
- Worked as an **Associate Software Engineer** intern at **Rakso CT**, a software development company, where I gained hands-on experience with frameworks such as **Laravel** and **Angular**, enhancing my skills in full-stack web development.

### Additional Information

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**Technologies:** HTML, CSS, JavaScript, TypeScript, .Net Blazor, ReactJS, NextJS, Laravel, TailwindCSS, Radix UI, shadcn UI, Bootstrap, Figma, REST API, GraphQL, MySQL, Supabase, Drizzle and etc.

**Soft Skills:** Communication, Teamwork / Collaboration, Critical Thinking / Problem solving, Adaptability, Time Management, and Continuous Learning.

**Languages:** English, Filipino