

# Raymond Moay Zi Xuan

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## WORK EXPERIENCE

### Accredify, Singapore

Mar 2022 - Present

Software Engineer (Frontend)

- *Accredify is a trust-tech scale up that helps institutions issue and verify tamper-proof documents*
- Built features and reusable components using **Vue.js**, leveraging **Typescript** to maintain type-safety across the codebase, especially in defining return types from internal APIs.
- Test-driven development with automated unit tests using **Jest** and end-to-end tests with **Cypress (Gherkin syntax)** to ensure high-quality code delivery, maintaining at least 80% test coverage.
- Proposed and implemented **Sentry** to automate runtime error monitoring and reporting on the FE.
- Built a prototype and successfully implemented an internal solution tool using Figma API, **React**, **NextJS** API routes, and **Satori**, reducing client request turnover time from 5 days to ~ 5 minutes.
- Assumed the role of **technical product owner** for a client-facing project, taking charge of requirement gathering, conducting technical discussions, executing development tasks, and performing QA checks.
- Implemented DORA **engineering metrics** monitoring to calculate efficiency of the engineering team with respect to the team's experimentation with custom, non-traditional Scrum ceremonies.
- Collaborated closely with the backend team to design **REST API** contracts that align with the frontend team's best coding practices, resulting in better maintainability and seamless integration between frontend and backend systems.

### Big 3 Group, Singapore

Aug 2020 - Mar 2022

Special Projects to Software Engineer

- Lead the development of the main website using **React NextJS** and set up no-code blog infrastructure using **Prismic** and **NextJS caching strategies** (incremental static regeneration) for better SEO.

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## PERSONAL PROJECTS

[HabitGrids: Habit Tracker](#) (Self-deployed to Apple App Store)

Mar 2023 - Present

Founder & Software Engineer

- *Mobile app Habit Tracker inspired by Github's contribution calendar. Mobile-version of [lifeofdiscipline.com](https://lifeofdiscipline.com).*
- Successfully launched and deployed on the App Store, securing first paying customer within 24 hours of launch, achieving an average rating of 4.90/5.00 stars.
- Designed and implemented a scalable FE and BE app architecture, leveraging **React Native** and **Node-based serverless APIs** using NextJS API routes. Employed PlanetScale as the database, **React Navigation**, **Zustand** for FE global state management, and **RevenueCat** for automated IAP management.
- Applied the composables/hooks pattern to efficiently separate business logic from UI components, optimizing maintenance and facilitating future unit testing.

- Developed custom services in **Typescript** for secure and type-safe communication with the backend, enhancing data integrity and robustness.
- Currently translating the app into native **Swift + SwiftUI, MVVM architecture, and XCTest**.

[lifeofdiscipline.com](http://lifeofdiscipline.com)

Nov 2021 - Present

Founder & Software Engineer

- *Habit Tracker inspired by Github's contribution calendar.*
- Successfully launched and deployed on the web, achieving 25k weekly page views, 30k+ users, 5 star rating with 80+ upvotes on [Product Hunt](#), #4 productivity App of the Month, and [went viral on Reddit](#).
- Design and implement a scalable FE and BE architecture built around a **React + NextJS API**, leveraging the monolith, single-language architecture (Typescript) to ensure robust type safety across API endpoints and frontend services, enhancing code quality and maintainability.
- Created the responsive calendar heat map visualization component with **D3.js**.
- Integrated **Stripe** to enable automated premium subscriptions, generating over \$500 SGD in monthly recurring revenues.
- Applied the composables/hooks pattern to efficiently separate business logic from UI components, optimizing maintenance and facilitating future unit testing.

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## EDUCATION

**Chartered Financial Analyst, Level 1**

Jan 2021 - Dec 2021

95th percentile

**Singapore Management University, Cum Laude**

Aug 2016 - Aug 2020

Bachelors of Science in Economics (3.58/4.00)

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## SKILLS

**Languages:** Node, Typescript, Swift

**Frameworks:** React Native + Expo, NextJS, SwiftUI, Unit testing (jest), e2e testing (Cypress, Gherkin)

**Libraries:** React, Vue, D3.js

**Project management:** Agile, Shape Up (Basecamp), DORA metrics

**Tools:** Git, Jira