

DON CHIA

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EDUCATION

National University of Singapore
IMDA SG:Digital Scholarship
Computer Science & NUS College

Singapore, SG
08/2024-Present

WORK EXPERIENCE

NOSSAFLEX

Melbourne, AU & Fredericksburg, USA

Chief iOS Frontend Developer

05/2020-Present

- Led the frontend development of NOSSAFLEX as the lead developer in an international team of developers from USA and Australia
- Collaborated closely with the lead designer to implement NOSSAFLEX's iOS frontend
- Consulted Apple Design Evangelist and leveraged the power of Apple's new SwiftUI framework
- Employed Model-View-ViewModel (MVVM) architecture and worked in close collaboration with senior tech lead from the USA, ensuring streamlined development and exceptional code quality
- Core tools used include **UIKit/SwiftUI, AVFoundation, Core Data** and **Firestore**

SAF Signals Cloud & Digital Office

Singapore, SG

Software Engineer

11/2023-08/2024

- Worked alongside army regulars to create cross platform app that targets troopers deployed for overseas joint exercises
- Made use of skills in Figma, React Native alongside backend architecture such as Firebase and Flask
- Applied knowledge in Model-View-Controller (MVC) architecture and collaborated with senior officers to deploy app for troopers
- Efforts were recognised by Chief Signals Officer, other formations leaders and Chief of Army
- Core tools used include **React Native, Kotlin Jetpack Compose, SwiftUI, Vue3, Pinia** and **TailwindCSS**

Fundigo Co.

Singapore, Singapore

Project Manager & Fullstack Web Developer

06/2022-Present

- Effectively led and coordinated a small team of experienced international developers from the SEA region, ensuring quality code and efficient work
- Revamped the UI of Fundigo's cross-platform app by making use of Google's Material 3 design language to enhance user engagement and visual appeal
- Contributed significantly to the development of the merchant portal by employing Vite + Vue3 & Pinia data store
- Applied knowledge in Model-View-ViewModel (MVVM) architecture to create merchant portal in Vue3 & TailwindCSS for client use
- Core tools used include **Vue3, Pinia** and **TailwindCSS**

Starbloom

Charlotte, USA

React Engineer

06/2024-Present

- Worked with Next.JS to create a next generation HR SaaS tool targeting corporations based out of North Carolina, USA
- Made use of Tailwind's brand new UI component set and integrated APIs from Xano
- Worked closely with Project Manager to integrate Agile workflow into the development of the frontend application
- Made use of React Query and TanStack Library APIs to implement data management and flow for web app
- Core frameworks used include **React, React Query, TanStack & TailwindCSS**

Current Mobility

Palo Alto, USA

iOS Engineer

10/2023-03/2024

- Collaborated with founder to aid in the design and development of iOS application
- Made use of SwiftUI and MapKit to create innovative solution for EV owners to charge their vehicles in the state of California
- Applied prior knowledge and experience of Model-View-ViewModel (MVVM) architecture and collaborated with senior tech lead to successfully deploy app for various stages of funding
- Core frameworks used include **UIKit/SwiftUI & Firestore**

ACHIEVEMENTS & AWARDS

Apple Entrepreneur Camp 2023 - Analog by NOSSAFLEX

Cupertino, USA

Accepted

11/2023

- Analog was accepted into Apple's Entrepreneur Camp 2023, an international programme designed to support developers providing access to Apple Engineers and Leaders to accelerate the growth of their app-driven business
- Our application was praised by mentors from Apple for having a beautiful yet UX-driven design that successfully applied Apple's Human Interaction guidelines

Apple Design Awards 2024 - Analog by NOSSAFLEX

Cupertino, USA

Shortlisted by Apple South Asia

03/2024

- Analog was shortlisted by Apple South Asia Developer Relations team and submitted to Apple Cupertino HQ for consideration in Apple's annual Design Award
- Apple's South Asia Developer Relations team praised Analog for its adherence to Apple's Human Interaction guidelines while adding a unique UI spin to the application's design

Apple Inc. WWDC Swift Student Challenge 2021

Cupertino, USA

Awarded

03/2021

- Clinched prestigious Apple WWDC SSC award by submitting an innovative project that educated users on the fundamentals of web development through engaging **HTML/CSS** concept lessons
- Developed award-winning project by using **SwiftUI** and **Swift Playgrounds**, demonstrating technical prowess and creativity
- Showcased skills by competing with talented students from across the globe and ultimately received recognition from Apple for achievement

Apple Inc. WWDC Swift Student Challenge 2022

Cupertino, USA

Awarded

03/2022

- Winning project was an exploration of modern line art and generative artwork, combining programming concepts like recursion with art in **Swift Playgrounds**
- Project was once again awarded among global competitors due to creativity and technical showcase

Soldier of the Year - for Contributions Towards the Army's Digitalisation Efforts

Singapore, SG

Awarded

05/2024

- Awarded NSF of the Year for going above and beyond by contributing to the OMNIA application that was used in Exercise Forging Sabre and also for founding Signals Cloud & Digital Office

Open Government Products - Build for Good 2024

Singapore, SG

09/2024

- Shortlisted by OGP to participate in Build for Good, a hackathon jointly supported by OGP and SG Gov Partnerships Office
- Worked in a team of 5 to push MVP solution to bridge the gap and encourage the growth of food rescue missions in Singapore
- Our team's MVP was pushed out within a month and 2 food rescue organisations made use of it, reducing administrative workflow friction. The end product was eventually featured in local news network

MINDEF/SAF Innovation Award 2023 - OMNIA Application by Signals Cloud & Digital Office

Singapore, SG

Awarded

12/2023

- OMNIA web application was awarded SAF's Innovation Award in 2023, it successfully served its purpose as a management app for Exercise Forging Sabre held in Idaho, USA
- The project was fleshed out and used in SAF's annual Exercise Wallaby held in Australia in 2024

MINDEF/SAF Microsoft365 Hackathon - KeyChain Application by Signals Cloud & Digital Office

Singapore, SG

1st Runner Up

07/2024

- KeyChain is a digital keypress book built on top of Microsoft's Power Application platform. I led the team by designing our application flow using **Figma** and **Apple's Human Interface Guidelines**
- Application is in trial phase at Stagmont Camp, increasing efficiency and reducing paperwork errors for hundreds of regulars and NSFs

VOLUNTEER ROLES AND LEADERSHIP

iOS Conference SG & iOS Dev Scout

Singapore, SG & Cupertino, USA

Event Organiser

04/2024-Present

- Volunteered as an organiser and speaker for iOS Conference SG, Singapore's biggest community of developers for Apple's software platform
- Helped organise and speak at the community's annual US event, held at Cupertino during Apple's WWDC week

FOSSASIA

Singapore, SG

Frontend Web Developer

06/2023-08/2023

- Engaged in collaboration with developers from around Asia and contributed to FOSS project made in **Vue3**
- Applied the open-source project workflow, utilising Git for seamless version control and effective code management

SKILLS

Web: Vue.JS, React, Flask, SQL, MongoDB, AWS, Firebase, Figma

Native App: Swift, Kotlin, SwiftUI, SwiftData, Kotlin Jetpack Compose, Figma, Material Design, Apple Human Interface Guideline

Cross-Platform App: JavaScript, Dart, React Native, Flutter

Others: Git, Python