Ryan Yip

Mobile Engineer (Flutter)

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EXPERIENCE

GLINTS | Mobile Engineer (Flutter)
Oct 2022 - Current

- → Lead the mobile development to launch chat to apply for job feature to 500,000 users in ID & VN, reducing job application response times from days to hours.
- → Achieved significant improvements in developer experience via proposing and implementing tools such as Codemagic CICD, Melos, & ShellScripts into the Monorepo codebase which resulted in reducing codegen time from 7min to 1.5min.
- → Optimised app performance as part of the shared services squad by reducing startup times by 1s & reduce app bundle size by 6% & 13% on iOS & Android.
- → Setup integration test tooling for QA engineers and onboarded them to write e2e integration tests which are ran daily to check for regressions.

OSIM INTERNATIONAL PTE LTD | Mobile Application Developer (Flutter)
Nov 2021 – Oct 2022

- → Led the development of a bluetooth controlled companion sub-app, as the project's main mobile engineer, for latest wellbeing massage chair that will reach at least 50,000 customers across China and South East Asia.
- → Implemented a CICD pipeline using Fastlane and Github Actions to run tests on pull requests and deploys apps to AppCenter daily for our Quality Assurance team.
- → Designed, documented and implemented a MVVM sub app architecture using OOP principles using Widget Trees and UML diagrams to ease the onboarding process.

SCRATCHBAC PTE LTD | Lead Frontend Flutter Developer
Sep 2020 – Nov 2021

- → Deployed and released a hyper-local resource sharing mobile application using Flutter for Android and iOS on Google Playstore and Apple Appstore.
- → Set up a CICD pipeline to build and deploy to beta testers using Fastlane and Github Actions which helps the business gather feedback within hours.
- → Collaborated extensively using RESTful APIs, Git, Docker, Firebase and Notion.

PROJECTS

EVLVE | Dart, Flutter
2023

- → Evolve Mma class booking app with highly customisable settings.
- → Shake to show QR code for easy scan in.
- → Notifications to alert you before class starts.

VJCHOIR ARCHIVES | Dart, Flutter
2022

- → VJChoir Yearbook with Audio player for listening to past concerts.
- → Uses Riverpod, GoRouter, with emphasis on writing unit tests.

POKÉDEX | Dart, Flutter
2021

- → A PokéDex project built using Flutter for iOS and Android using PokéAPI.
- → Focuses on implementing the MVVM pattern with Provider & Change Notifier.

SKILLS

PROGRAMMING

Proficient:
Dart • Python

Experienced:
R • LATEX

LIBRARIES/FRAMEWORKS

Flutter • PyTorch • Caret

TOOLS/PLATFORMS

Git & Github/Gitlab •
Firebase/Supabase •
Amplitude • GraphQL •
AppCenter • Jira/Confluence

EDUCATION

SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN (SUTD)

Bachelors in Engineering Systems Design
Business Analytics and Operations Research
Minor in Artificial Intelligence
May 2018 - Aug 2021 | Singapore
First Class Honors
Cum. GPA: 4.550 / 5.000
SUTD Honors Lists in 2018 & 2021
Undergraduate Merit Scholarship

REFERENCES

Jerry Neo, CEO & Cofounder, Scratchbac
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COURSEWORK

UNDERGRADUATE
Artificial Intelligence •
Statistical Machine Learning •
Simulation Modelling and Analysis •
Data & Business Analytics