

## MY PORTFOLIO

### WORK EXPERIENCE

---

**Software Engineer - Android Mobile | Delivery Hero APAC (SG) - Foodpanda** Oct 2023 – Mar 2024  
(Java | Kotlin | XML | Android SDK | Mockito | Junit | Gradle | Jetpack Compose | Gradle | MVVM)

- Boosted customer retention by 3% by developing and unit-testing an in-app rewards stamp card feature showcasing discount voucher, points and free delivery for each stamp completion.
- Led the team as Scrum Master, ensuring timely project updates, while improving app lifecycle performance by refactoring the codebase, streamlining data management, and updating the app's design.
- Architecture: Written with **MVVM with Clean architecture**.
- Technology Stack: **Java, Kotlin, XML, Android SDK, Mockito, JUnit, Gradle, Jetpack Compose, Gradle.**

### PROJECTS

---

**Full-Stack Software Engineer (Freelance) | Ai Fitness Coach: Rep Counter** ([Link](#)) June 2023 – Present  
(C# | Angular | Typescript | HTML | CSS | Docker | Firebase | ASP.Net | RESTful API | MVC)

- Developed and deployed a dynamic website for the “**AI Fitness Coach: Rep Counter**” app, utilizing ASP.NET, C#, and Firebase for backend server hosting and optimizing user action logging.
- Implemented Angular, HTML, CSS, and TypeScript for frontend design and interactivity, resulting in increased daily visitors, downloads, and user retention.

**FoodPanda – Food Playlist Subscription** Oct 2023 – Mar 2024  
(Java | XML | Kotlin | Android SDK | Firebase | MVVM)

- Created a responsive food app that allows users to store user’s favorite restaurant orders and place them in advance using: Kotlin, Jetpack Compose, and Firebase on a MVVM architecture.
- Implemented a secure login system with **FirebaseAuth** to authenticate existing or new users to access the food application.
- Compiled Kotlin code and zipped resources into an APK for deployment on both emulator and physical Android devices to facilitate testing, ensure compatibility, and optimize performance.

**Udemy - Dating Web Application** ([Link](#)) Mar 2023 – Apr 2023  
(C# | Angular | Typescript | HTML | CSS | Docker | PostgreSQL | MVC)

- Developed and deployed a dynamic online dating website using HTML, CSS, TypeScript, and Angular, enhancing user experience.
- Built a robust backend system with ASP.NET MVC, Entity Framework, and PostgreSQL to improve user login, messaging, and image storage for greater reliability and user-friendliness.
- Implemented API layers using Docker for remote website hosting, established HTTPS for secure connections, and streamlined the deployment process with GitHub Actions for faster testing and updates.

**Forecast flight delays of USA commercial flight** ([Link](#)) Sep 2021 – Feb 2022  
(Python | R | SQLite | Networkx | Scikit-learn)

- **Analyzed** flight data through **ETL** process to predict USA flight delays, achieving high accuracy using Machine Learning models with **Scikit-learn** libraries and coded with **SQLite, Python, and R**.

### SKILLS

---

Java, Python, TypeScript, C#, SQL, JavaScript, C++, Dart, Kotlin, XML, Android SDK, R, Tableau, Docker, PostgreSQL, Angular, Git, SQLite, ASP.Net, Jetpack Compose, MVVM, MVC, CI/CD, Gradle, Jira, Testrail, Mockito, Junit.

### EDUCATION

---

**Software Engineer – Android | Delivery Hero APAC (SG) - Foodpanda** Oct 2023 – Mar 2024  
Coursework: Java & Kotlin Programming, Backend Firebase, Deploy Google Play Store.

#### Udemy

Coursework: Build App with ASP.NET & Angular, C++ Programming, Java Development Bootcamp Jan 2023 – Apr 2023

#### Coursera

AI Deep Learning Specialization ([Link](#)) Aug 2022 – Dec 2022

#### Singapore Institute of Management – University of London (2<sup>nd</sup> Upper Hons)

BSc in Data Science and Business Analytics Aug 2019 – Apr 2023

- Coursework: Mathematics, Machine Learning, Statistics, Programming, Analytics