

JOHN MELODY ME CHENG TZE KEONG

Diligent Self-Taught Software Engineer with for 5+ years of experience in commercial applications, the internet of things and software development. I am experienced with a passion for developing innovative programs that expedite the efficiency and effectiveness of organisational success.



EXPERIENCES

Mobile Application Developer

Sleekflow Private Limited

Aug 2022 Nov 2022

- Design and update software database. This includes, but is not limited to: Software Applications, Websites, Data Communication Processes and User Interfaces.
- Test, maintain and recommend software improvements to ensure strong functionality and optimization.
- Develop, test and implement new software programs.
- In charge of implementing new features and bug fixes for the eCommerce application of both IOS and android.

Tech stacks: Whatsapp API, Stripe, Flutter, Gradle, Swift and Kotlin.

Senior Software Engineer

Grind Reel (Edu) Private Limited

July 2021 Dec 2021

- Clearly and regularly communicate with management and technical support colleagues
- Design and update software database. This includes, but is not limited to: Software Applications, Websites, Data Communication Processes and User Interfaces
- Test, maintain and recommend software improvements to ensure strong functionality and optimization.
- Develop, test and implement new software programs.
- In charge of creating educational web applications, mobile applications and machine learning applications (specifically NLP, and computer vision).

Tech stacks: Redis, ExpressJS, VueJs, Stripe, MongoDB, Tensorflow, Pytorch, Python, Swift, Flutter and Vapor Swift.

Software Engineer

Mynapse (M) Sdn Bhd

Apr 2020 Jun 2021

- Develop, test and implement new software programs
- Clearly and regularly communicate with management and technical support colleagues
- Design and update software database. This includes, but is not limited to: Software Applications, Websites, Data Communication Processes and User Interfaces
- Test, maintain and recommend software improvements to ensure strong functionality and optimization
- Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions. Documents and demonstrates solutions by developing documentation, flowcharts, layouts, diagrams, charts, code comments and clear code.
- In charge of developing SMS services, Video calls application with WebRTC and SIP protocol and custom Encryption with Extended Diffie-Hellman for Social Media application (IOS and Android) named "Monjo".

Tech Stacks: Kotlin, Java, Elixir, Erlang, CouchDB, Flutter, Objective-C and Swift.

Software Engineer

Braintech (M) Sdn Bhd

Jan 2018 Mar 2020

Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions. Documents and demonstrates solutions by developing documentation, flowcharts, layouts, diagrams, charts, code comments and clear code. Also, develop scientific software for EEG and BCI supports. Major in Android Development, extensive understanding of Firebase, and KaiOS.

The projects I have done and managed:

1. Backend System with Firebase and MySQL for the storing Big Data of EEG, EKG, and EMG signals into documents and web services for returning data. (Firestore, MySQL, ExpressJS)
2. Display data to an android application from a customised Blue Low Energy device with Nordic SDK and Qualcomm SDK. Returning and visualised EEG, EMG, and EKG signals. (Java, Nordic SDK, Qualcomm SDK, C/C++)

Armed Personnel Security Guard

G4S

Jun 2014 Nov 2017

- Working as a direct representative of the G4s management in the administration of the facility security program.
- Protecting all public/private property within the G4s contract guard jurisdiction including material, equipment, supplies, and buildings from fire, accident, theft, sabotage, and trespass.
- Safeguarding and protecting all government information, documents, and equipment entrusted to the care of the G4s contract guards.
- Responsible to the extent prescribed by established post orders, policies and procedures, operate, maintain and enforce a system of personnel identification and access controls for facility employees and visitors.
- Consistent with authority, apprehending and detaining all suspicious person(s) or any who attempt to gain access to the facility, for release to local law enforcement authorities.
- Maintaining law and order and preventing illegal acts within the G4s contract guard jurisdiction, may jeopardize the safety or security of the facility and its personnel.
- Provide, in writing, any security deficiencies and report them in a timely manner to the facility security coordinator.
- Enforcing all facility rules governing control of all vehicular and personnel traffic entering the facility.
- Licensed to carry weapons, while performing surveilling, patrolling, maintaining peace and order and ensuring the safety of lives and property.

Skills: Firearms Handling · Tactical Operations

EDUCATION

- O'level/ SPM SMK HAMID KHAN (HIGH SCHOOL)

SKILL SETS

Programming languages

- Dart
- Python
- Javascript
- Erlang
- Elixir
- Java
- C++
- Objective-C
- Ruby
- Swift

Frameworks & Libraries

- ExpressJS
- FastAPI
- Flask
- Tensorflow
- Pytorch
- Sinatra
- Flutter
- SwiftUI
- MongoDB
- MYSQL
- ReactJS

Software & Tools

- Postman
- Xcode
- Android Studio
- Visual Studio Code
- AWS CDK
- Apple App Connect
- Apple TestFlight
- Google Play Console
- Fastlane
- Git (Github, BitBucket, Microsoft DevOps)
- Docker
- Microsoft AppCenter
- Notion & Airtable