EUGENE LOW WENG SENG

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SUMMARY

Currently, I've been working as a support to my tech team in the lead role, planning our new V3 system in Mednefits and converting our monolithic architecture to microservice architecture. On the side, I've been practicing Jetpack Compose with my own app, Interval Timer. My biggest accomplishment recently is hosting Katapat, which a copy of Wordle but with the dictionary changed to Malay words. It is currently hosted on Github pages with over 4,000 visitors at peak.

WORK

JANUARY 2021 - PRESENT

MEDNEFITS SDN BHD, KUALA LUMPUR, MALAYSIA

LEAD ENGINEER

Projects:

- Mednefits V3
    - Design and plan the database structure and migration from V2 to V3
    - Draw out ERD and flow charts using PlantUML
    - Plan out the transition phase for the migration, as well as the logistics for the clients
    - Discuss with the Product team and Engineering team to build a microservice system with modern UI/UX
    - Learnt AWS and Google Cloud infrastructure to help build tools for CI/CD
    - Learnt Laravel to implement features to the Development portal
- Security Audit
    - Help support in the auditing of our systems to obtain ISO certificate

SENIOR MOBILE ENGINEER

Projects:

- Mednefits Member app
    - Originally written in Java, convert to Kotlin
    - Made the version 2 of the app from scratch
- Geocode clinic distance Google Sheets Add-on
    - The add-on will take the location in one cell, to convert it into a coordinate to be used to calculate the number of clinics within the coordinates
- Worked with MySQL and created MySQL scripts to manipulate data for features that haven't been implemented
- Managed the APIs in Postman as well as create examples and also Flows for testing
- Mednefits Provider (Clinic) app

- ○ Wrote the entire prototype of the app in Flutter
- ○ Added in the APIs into an existing Laravel PHP based web portal in a prototype branch
- ○ Made a prototype of the Member app to be able to scan for payment from a QR generated from the Provider app

DECEMBER 2019 - JANUARY 2021

VOLSERVERS SOLUTIONS SDN BHD, KUALA LUMPUR, MALAYSIA

SENIOR MOBILE DEVELOPER

Projects:

- Undisclosed banking app project for registration on a tablet application
  - ○ Written in Java with Retrofit, Firebase OCR
  - ○ Integrated with a finger print scanner
- Undisclosed business portfolio website sharing mobile application
  - ○ Leading the project with two colleagues
  - ○ Written in Flutter
  - ○ Implemented Redux state management, auto route, Localizely, Retrofit/Dio
- Undisclosed in-house application
  - ○ Written in Flutter
  - ○ Implemented Redux state management, auto route, Localizely, Retrofit/Dio

NOVEMBER 2019 – DECEMBER 2019

SELF-EMPLOYED

ANDROID DEVELOPER

Projects:

- Makan Mana, an app about finding restaurants near you (taken down)
  - ○ Wrote the entire app on my own using Kotlin, RxJava/RxKotlin/RxAndroid, AndroidX, Retrofit, Firebase and Location service
  - ○ Uploaded and manage my own personal Play Store account
  - ○ Used a third party API Zomato for information

JULY 2019 – OCTOBER 2019

NEWSOFT IT SOLUTIONS SDN BHD, KUALA LUMPUR, MALAYSIA

SENIOR ANDROID DEVELOPER

Projects:

- Lobbi (present name, name may change, unreleased)
  - ○ Built the entire version 2 from scratch with another senior developer using Kotlin
  - ○ Leading the team as a stand in team lead while assigning the juniors and new seniors roles in order to complete the project before the deadline

- Use modules in Android Studio and Gitlab in order to make the project scalable at the same time easier to manage assignment to the juniors
- Worked together with backend and designers in order to deliver the app closest to their vision at the same time recommending Android best practices
- Managed the company Play Store account in order to have internal testing, alpha test and release

SEPTEMBER 2013 – JULY 2019

OMESTI INNOVATIVE LAB, KUALA LUMPUR, MALAYSIA

SENIOR ANALYST, ANDROID DEVELOPER

Projects:

- MELIUM (until July 2019)
  - Built and managed the entire Android app by myself in Kotlin, following UX/UI given by the client
  - Attended meeting to discuss with clients and recommend best approaches
- MyUMobile (until July 2018)
  - Handled the entire Android app by myself
  - Converted the entire app from Java to Kotlin while making sure it runs smoothly
  - Conducted the handoff to UMobile when the project was over
- URed (until July 2018)
  - Handled the entire Android app by myself
  - Converted the entire app from Java to Kotlin while making sure it runs smoothly
  - Worked with Microblink library for handling MyKad and passport OCR
- UMobile Screensaver App (until July 2018)
  - Made a webview Android app container that is capable of relaunching itself while it is closed

APRIL 2013 – AUGUST 2013

HELP UNIVERSITY, KUALA LUMPUR, MALAYSIA

COMPUTING PRINCIPLES TUTOR IN HMC FOUNDATION

EDUCATION

JUNE 2016 – AUGUST 2016

STANFORD UNIVERSITY, STANFORD, CALIFORNIA

Visiting Student in Summer School, taken classes at:

- CS 148: Introduction to Computer Graphics and Imaging

- CS 161: Design and Analysis of Algorithms

FEBRUARY 2012 – DECEMBER 2012

UNIVERSITY OF QUEENSLAND, ST LUCIA, QUEENSLAND

Bachelor of Information Technology, 5.88 (out of 7) GPA

OCTOBER 2009 – JANUARY 2012

HELP UNIVERSITY COLLEGE, KUALA LUMPUR, MALAYSIA

Bachelor of Information Technology, 3.74 (out of 4) GPA

MARCH 2008 – MARCH 2009

HELP UNIVERSITY COLLEGE, KUALA LUMPUR, MALAYSIA

HMC Foundation in Science, 6.49 (out of 7) GPA

JANUARY 2003 – DECEMBER 2007

WESLEY METHODIST SCHOOL, KUALA LUMPUR, MALAYSIA

SPM, 8A's

ACHIEVEMENTS

- Obtained scholarship to study at University of Queensland, 2011
- Wrote a book entitled '31 Days' printed by HELP University College, 2008
- 2nd Place at BBDO/Proximity's 'Drunk Driving Leads To Suffering' Campaign, 2008
- 4th Place at HELP Psychology Challenge 2007
- Competed in Chess MSSKL Zone Level, 2007

EXPERIENCE

- Created and hosted [Katapat](#) on Github pages, which is a Wordle-clone using Malay words which has over 4,000 users on a weekly basis (at peak)
- Designed and manage https://elisewongcreations.com
- Co-creator and writer of a self-created webcomic series called "Ryan and Delia", 2012
- Web designer of Malaysian Students' Council of Australia Queensland (MASCA QLD) NCG 2012 website, 2012
- Leader and co-founder of a campus-wide, inter-department student communications hub called HELP Grounds, 2010
- Lead developer and advisor for an intra-university endeavour named HELP Buzz, 2009

- Webmaster of HELP Matriculation Centre Student Council, 2008

- Visual Artist of HELP Matriculation Centre Yearbook, 2008

- Technician in C2AGE event, 2008

- President of Chess Club in Wesley Methodist School, 2007

TECHNICAL COMPETENCIES

Language: HTML, PHP, SQL, Visual Basic, Action Script, C++, C#, Kotlin, Java, Gradle, Flutter, Python

Tools: Android Studio, Git

ADDITIONAL INFORMATION

Language spoken: English, Bahasa Malaysia.