



Jonathan Yip

Aspiring Software Engineer!

Software Engineering student with working experience in different sectors of the software industry. Enjoy reading about the newest innovations in the software field and am continuously learning the newest technologies. I am eager to apply my accrued skills to a dynamic team and collaboratively solve real-world problems.

Contact

Phone

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Email

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LinkedIn

linkedin.com/in/developerjy

Github

<https://github.com/jon65>

Education

2020 - 2024 Nov

Bachelor of Engineering (Hons)

Software

Monash University

Relevant Skills

• Programming Languages

Java, Javascript, Typescript, C, Dart, Python, Dart, SQL, HTML/CSS

• Software Technologies

ReactJS, Django, MongoDB, MySQL/Oracle, Spark, Kafka, Docker, JavaFX, Flutter

• Full Stack Website Development

• Unit Testing

• Mobile Application Development

• Data Warehousing

• Agile Software development

Language

English

Experience

○ 2022 Sept - 2022 Dec

Silkron Technologies | Penang, Malaysia

Mobile Application Engineer Intern

- Implemented and tested client requested features for the company's mobile application such as an employee point payment system for purchasing vending machine items via a mobile application.
- Developed a redesigned version of an existing mobile app with improved user interface and removed software bugs from old application. As part of the redesign I implemented better code modularity and error handling for easier future development.
- Made UI/UX mockups for client requested UI changes.

○ 2022 Jan - 2022 Feb

Mahkota Medical Centre | Melaka, Malaysia

Application Engineer Intern

- Prepared data reports using SQL for the organisation's business analyst
- Made a Microsoft Excel script that queries data from organisation's data warehouse.
- Identify erroneous, incomplete, or duplicated data in the database
- Troubleshooted computers and provided technical support
- Performed usability test for new software to be integrated into the organisation.

Personal Projects

Hotspots Visualiser ~ pySpark, Kafka, mongodb

https://github.com/jon65/SparkStreaming_fire_hotspots_datapipeline

Created a weather reporting simulation app detecting Australian fires. Processed incoming stream data in 10-second batches, identifying fires, causes, and sources. Utilized PySpark, Apache Kafka, and MongoDB for data processing and storage, with visualization via matplotlib and geopmap. Enabled live climate data display, charts, and a geopmap of recorded fires.

CampsideReview ~ NodeJS, mongodb, Express, HTML/CSS, Cloudinary

<https://github.com/jon65/CampsideReview>

A full stack web application created using nodeJS and mongoDB, for posting reviews on campsites around the world. Users can rate an existing campsite, leave their own reviews and upload a new campsite together with their review if the campsite does not exist.

BaLance Team Formation ~ reactJS, MySQL, nodeJS

<https://github.com/Monash-FIT3170/BaLance-Team-Forming-Dashboard>

As part of a full year project with other students, we develop a group formation tool for teaching assistants. The application facilitates the creation of well-balanced student teams, considering factors such as personality types, academic performance (WAM), and commitment hours. Additionally, users have the option to upload custom scripts for personalized student grouping. The project aimed to enhance team cohesion and develop a group formation tool for teaching assistants.