

## SUMMARY

Seeking a more challenging role where I can leverage my technical skills and passion for building innovative software solutions. Demonstrated ability to optimize performance, improve user experience, and reduce technical debts. Eager to contribute to a dynamic team and make a significant impact on a company's success with product ownership in mind.

## EXPERIENCE

### **4X SOFTWARE SDN. BHD. (*subsidiary of Deriv Group*)**

Aug 2023 - Present

#### *Back-End Developer*

- Led the development team on a small project by translating requirements into technical tasks, discussing the difficulties, and unblocking team members with their tasks.
- Optimized a mathematical algorithm in Perl codebase to be 10x faster with collaboration with a quantitative analyst.
- Fixed high latency issue on Redis server by clearing Redis queue regularly, reducing the production latency by more than 95% runtime. Warning logs were added to DataDog for better monitoring after incident.
- Wrote an automation script to urgently process more than 1.5 million rows of data from excel sheets, reducing the amount of manual work by 99.99%.
- Reduced websocket latency on exchange rates by limiting the number of websocket subscriptions by API consumers from 200+ subscriptions to less than 10 subscriptions per consumer, significantly improving the websocket connection to be more than 90% faster.
- Always took initiatives to refactor old codes while working around it, effectively removing the amount of team's tech debt by nearly 30%.

### **DERIV SERVICES SDN. BHD.**

Mar – Jul 2023

#### *BeSquare Graduate Trainee*

- Designed and built a secure authentication system that utilize access and refresh tokens using node.js, PostgreSQL, and Redis for an HR leave application system.
- Created a collection of superheroes and villains web application using React and Material UI, grasping the concept of React components and its lifecycle, state management, hooks, responsive web design, and working with REST API.
- Developed a mobile application for daily nutrition tracking using Flutter and Firebase, understanding the ideas of Flutter widgets, Bloc state management, page routing, and integrating it with a public REST API and Cloud Firestore.
- Conducted code reviews and provided guidance to other team members while leading a small team of 2-4 members in 3 separate projects.

### **JARVIS SOFTWARE TECHNOLOGY SDN. BHD.**

Oct – Dec 2022

#### *Software Engineer Intern*

- Worked alongside senior developers and teams to contribute to the development of new features and functionalities in web applications using Django and Bootstrap.
- Identified and resolved issues and bugs in the existing codebase, ensuring the smooth functioning of web applications.
- Assisted in the development of server-side logic and data modelling using Django.
- Successfully delivered assigned tasks from day to day.

### SKILLS

- **Back-End Development:** node.js, Express.js, Next.js, Django, PostgreSQL, SQLite, Redis, Perl
- **Mobile Development:** Dart, Flutter
- **Others:** Git, GitHub, Docker, Vercel, Firebase
- **Front-End Development:** HTML, CSS, Javascript, Typescript, React, Material UI, Tailwind CSS, Bootstrap, SASS
- **Operating Systems:** Windows, Linux, Android

### ACHIEVEMENTS

<b>BESQUARE'S DEVELOPER READINESS CHALLENGE</b> <i>Second Place</i>	Jul 2023
<b>BESQUARE'S MOBILE HACKATHON</b> <i>Third Place</i>	May 2023
<b>BESQUARE'S FRONT-END HACKATHON</b> <i>Most Outstanding Developer</i>	Apr 2023
<b>BESQUARE DESIGN COMPETITION</b> <i>First Place</i>	Mar 2023

### EDUCATION

<b>MYSTEP x TALENTLABS</b> Foundation Certificate in Data Analytics	Jun – Aug 2022
<b>UNIVERSITI TEKNOLOGI MARA</b> Bachelor of Medical Imaging <ul style="list-style-type: none"><li>• CGPA 3.00</li><li>• EXCO of Legislation and Administration of Medical Imaging Student Association</li><li>• EXCO of Arts and Culture of Angsana College Representative Committee</li></ul> Science Foundation	2016-2022  2014-2015

### REFERENCES

#### **SENIOR MANAGER, TRADING ENGINEERING**

*4X SOFTWARE SDN. BHD.*

Kok Jun Bon - <https://my.linkedin.com/in/jun-bon-kok>

#### **PROJECT MANAGER**

*4X SOFTWARE SDN. BHD.*

Ekaterina Davidovich - <https://ae.linkedin.com/in/ekaterina-davidovich>

#### **BESQUARE TRAINING MANAGER**

*DERIV SERVICES SDN. BHD.*

Shamini – 012-289 1510

#### **SOFTWARE DEVELOPMENT MANAGER**

*JARVIS SOFTWARE TECHNOLOGY SDN. BHD.*

Alex – 016-338 3230