

# JOEL KONG BOON WEI

Singapore | 83753022 | <https://www.joelkong.com/> | <https://github.com/JoelKong> | <https://www.linkedin.com/in/joel-kong/>

## Work Experience

**Student Assistant (Software Engineer)**      **Singapore Institute of Technology**      *Singapore*      **10/2023 - 02/2024**

- Assisted Aquast in the phase one development of an intelligent indoor soft shell crab farming system.
- Developed an aesthetic graphical user interface using Django and managed data through a MySQL database.
- Implemented a live data fetching logic engine to retrieve sensor data using Mqtt data schedulers.
- Made use of the Twilio API to send automated whatsapp messages to consumers who have subscribed to notifications.

**Data Analyst Intern**      **HSBC Bank**      *Singapore*      **08/2020 - 01/2021**

- Processed and organized data from the AS400 IBM system into Excel.
- Collaborated with senior employees to design and push out insurance policy forms.
- Developed Excel macros to automate repetitive tasks, improving overall efficiency for the company.
- Managed client policies using the AS400 IBM system.

## Projects

- **SgUniDorms:** A platform for rating and discussing Singapore's university dormitories. Made with NextJS, Firebase, TailwindCSS, NodeJS. <https://www.sgunidorms.com/>
- **LiveChat:** An aesthetic websocket based realtime chat that focuses on Devops concepts. Made with NextJS, Supabase, TailwindCSS, NodeJS, Docker, Jenkins, Nginx. <https://github.com/JoelKong/LiveChat>
- **SubiScrape:** Web scraping application which summarizes scraped information using generative AI technology. Made with GPT 3.5 turbo, NextJS, MUI. <https://www.subiscrape.com/>
- **Vitatrax:** A tiny circuit fitness tracker with many different functionalities such as an in-built pong game, step tracker and many more. Made with Arduino, NextJS, Supabase, Tiny Circuit. <https://vitatrax.vercel.app/>
- **Secured OAuth Form:** A beginner project attempting to manually create a secure authentication and authorization form.. Made with JWT, ReactJS, MongoDB, NodeJS. <https://github.com/JoelKong/OAuth-Form>

## Education

**BEng(Hons) Information and Communications Technology**      **Singapore Institute of Technology**      *Singapore*      **08/2023 - 08/2027**  
majoring in Software Engineering

**Diploma in Financial Informatics**      **Singapore Polytechnic**      *Singapore*      **03/2018 - 03/2021**

## Skills

- JavaScript | TypeScript | ReactJS | NextJS | Firebase | Supabase | MongoDB | MySQL | MSSQL | Git | HTML | CSS | Python | NodeJS | Jest | Linux | Jenkins | Docker | AWS | ExpressJS | Nginx | C
- Agile | Scrum | Unit Testing | CICD | DevOps | SQL | NoSQL
- Frontend | Backend | Full-Stack | English, Chinese – *All professional proficiency*

## Hackathons and Competitions

- **PolyFinTech100 API Hackathon 2020 - First Place:** Developer responsible for creating a solution to help clients manage their finances through decentralized finance.
- **INTUition v9.0 Hackathon 2023 - Participant:** Led a team to develop a web application that helps clients safely store and transfer money through an optimized system design.