Ang Koon Hian

Software Engineer

Currently a Year 4 Business Analytics undergraduate at the National University Of Singapore. Passionate about learning and excited to use my knowledge for making an impact in a real-world context.

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EDUCATION

Business Analytics
National University of Singapore

08/2019 - Present   *4.1*

Relevant modules

- IS3107 Data engineering
- BT3103 Application Systems Development
- BT4222 Data mining for business insights
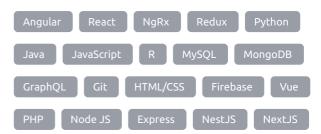- BT2102 Data Management and visualisation

SKILLS

Angular   React   NgRx   Redux   Python

Java   JavaScript   R   MySQL   MongoDB

GraphQL   Git   HTML/CSS   Firebase   Vue

PHP   Node JS   Express   NestJS   NextJS

WORK EXPERIENCE

Full stack Software Engineer intern
GIC (Government Investment Corporation) Private Limited

01/2022 - Present

Achievements/Tasks

- Part of Arena team, an in-house software that helps portfolio managers with their trading process. Spearheaded a sub-application for trading convertible bonds. Features built with react, redux for state management, spring boot as backend and sql for database.
- Part of devops team for Arena deployment. Used docker for containerization and kubernetes coupled with helm3 for deployment to production server.

Full Stack Software Engineer
OST technologies Pte Ltd

07/2021 - 12/2021
A Singapore-based construction company that specializes in dealing with monitoring systems via IOT.

Achievements/Tasks

- Worked on an IOT project responsible for displaying sensor data on a web portal with PHP , MySQL for backend and Angular 9 as frontend
- Worked on developing an internal dashboard that aims to track all sensor location and enables UI friendly CRUD operations. React, Redux as state management and NestJS as backend

Full stack Software Engineer intern
Skilio Pte Ltd (Start up)

01/2021 - 07/2021
Skilio is a start-up that aims to provide an alternative to paper qualifications

Achievements/Tasks

- Built main app features with Angular, NgRx for state mangement, tailwind and nestjs / express as backend, coupled with firebase as database.

PERSONAL PROJECTS

Contrannect (Founder) (05/2021)

- NUS-incubated startup that was awarded a grant of $10,000 SGD by the VEnture Initiation Program@SOC
- It is an integrated contractor platform where contractors can list their projects, find subcontractors to take up work, track your project progress in real-time and leave reviews

DataPlea (04/2022 - Present)

- DataPlea is a platform that serves to simplify the process of image labelling / annotation. It allows users to annotate their images from just about anywhere.
- DataPlea also enables users without programming background to learn and take part in the image annotation process that will in turn benefit the tech community.

Reisen (01/2022 - Present)

- An online itenerary generator that uses machine learning to generate a set of itenerary based on the user's personal preferences and history.
- Ideation and implementation stage went on to top 10 finalist of huawei's 2022 SPARK hackathon.

CERTIFICATES

NUS 2021 Data Science Competition Finalist
Our team trained a computer vision model via YoloV4 for counting acumen chips accurately, detecting anomalies and auditing manual entries.

PSA Code Sprint Finalist
Developed a video analytics system that uses YoloV4 to detect and flag out erroneous driver behaviours.

NUS 2022 Fintech Blockchain Competition Finalist (Most Creative Idea)
Our team proposed an idea that merges finance and blockchain tech together by creating ETF for NFTs. Awarded most creative idea.

Huawei Spark Hackathon 2022 Finalist
Developed an itinerary generator that works based on your personal preferences and is powered by machine learning with huawei cloud services.

NUS I&E Venture Initiation Program@SOC awardee
Awarded $10,000 grant to fund our start up idea - Contrannet.