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Work

Corporate Alliance FX (CAFX) [Software Engineer]
Leveraging CAPAY system, providing global remittance with convenience and efficiency.

January 2022 - Current

Year 1

- Developed frontend pages for CAPAY system. Practised React and gained knowledge about React Redux and CoreUI. The system was later upgraded to MaterialUI along with React Hooks.
- Took part in the migration process from old backend JavaScript architecture to new Typescript based architecture. The 2 services I was in charge of were the first to be finished and were used as a reference by other team members.
- Implemented impactful improvements, including the implementation of comprehensive unit tests across all services, ensuring robust code quality and reliability. Introduced the adoption of Prettier, enabling consistent and standardized coding formats across the team, resulting in enhanced collaboration and code maintainability.
- Designed and implemented new dynamic reporting system for CAPAY. Users are given the freedom to customize reports and the system will generate SQL to get the relevant data.
- Conduct regular bug-fixes and system improvements both in backend and frontend by going through JIRA tickets raised by various departments.
- Gained knowledge about financial fx practices and payments system through discussions with colleagues from other departments.

Year 2

- Project Lead for CAPAY system compliance reporting. Collaborated with company's internal compliance team, AUSTRAC (AU), DIA (NZ) to gather requirements, then designed and implemented a system to automate IFTI and PTR reporting. This initiative greatly improved operational efficiency and ensured compliance with regulatory standards.
- Service owner and go to person for various CAPAY microservices. Implemented a JAVA based microservice that allowed CAPAY to trade with 3rd party counterparts.
- Wrote comprehensive coding documentation in Confluence, providing clear instructions and guidelines for developers and future maintenance. Also made sure that coding documentation was regularly updated to reflect changes and improvements made during the development lifecycle.
- Proficiently reviewed and provided constructive feedback on pull requests, ensuring code quality and adherence to project standards.

LeanData.io [Fullstack Lead Engineer]
Delivering lean growth to scaling companies through nimble enterprise software and expertise.

Sept 2020 - December 2021

- Took part in the maintenance and backend development of an Order Management System for a large international sporting brand.
- Currently maintaining and developing a web application that performs matching between investor funds and startups.
- Implemented additional security to various front facing services by utilising GCP reCaptcha to prevent bot spams.
- Implemented and managed Kafka consumer service from scratch to ensure stocks quantity are well updated and reconciled.
- Implemented and maintained a financial tool which extracts information from various sources, aggregates them and sends the data in a fixed format to a data lake so that the data can be used by various consumers to generate financial reports.
- Worked in an AGILE environment and engaged in weekly sprint + analysis meetings with clients to identify needs to deliver working, up to standard code. Responsible for planning weekly sprints.
- Gained knowledge and commercial practice using Google Cloud Platform tools.
- Gained knowledge and commercial practice of using various technologies such as Kafka, Docker, RESTful APIs, PubSub, MySQL, POSTGRESQL, Retool, Bubble, Shopify API.

Internships

RHB Investment Bank Bhd.

Aug 2017 - Nov 2017

- Gained knowledge about online Investments, Banking, security and payment backroom system.
- Learned how to read charts and various trading strategies.

The Gasket Alley

Dec 2017 - Feb 2018

- Part of the marketing team at a company that had sole distribution rights for Harley Davidson in Malaysia.
- Gained invaluable hands-on commercial experience in marketing and management decisions making.

Education

University of Melbourne

Conferral Date: December 2020

- BSc in Computer Science and Software Engineering
Weighted Average: 75.591

Korea University

Completed

- Korea University International Winter Course

Coursework

University of Melbourne

- Engineering Systems Design 82%
- Design of Algorithms 86%
- Database Systems 82%
- Elements of Data Processing 81%
- Object Oriented Software Development 83%
- Machine Learning 76%
- Computer Systems 76%
- Web Information Technologies 81%
- Software Modeling and Design 75%
- Logical Methods 81%

Skills

Languages

English, Chinese, Bahasa Melayu, Cantonese, Hokkien

Experienced

TypeScript, JavaScript, Node.js, React, MUI, PRISMA, MYSQL, Java, C, Python, Git, devops, project management, AGILE

Familiar

Haskell, Prolog, L^AT_EX, POSTGRESQL, AWS, GCP, Retool, Bubble, Firebase

Experience

- Competed in Google HashCode 2020 coding competition as team programmer. Which team managed to achieve 5th in rank in whole of Australia.
- Served as Design Leader for annual UMSU Night Market and Winter in August Ball. Leading to a successful event and raised funds for future MoMU club activities.
- Did voluntary community services: charity fund raising, regularly visited orphanage and old-folks home.
- Served as Group Leader for organizing the 2014 annual carnival. Successfully raised MYR 30,000 for the Chong Hwa Independent High School Development Fund.
- Active in sports like futsal, basketball, football and volleyball.
- 4 years of experience with the guitar.
- Acquired Black-belt (2nd POM) in Taekwondo.

Past Projects

E-portfolio App | Programmer

<https://eportfolio-5head.web.app>

- Website for students to share their E-portfolio and work experience. Allowing job recruiters and students to connect and easily share info. [Final Year Project]
- Provides users with various features such as a search feature (Elastic search), a live chat, and document uploading/sharing.
- Utilized Material UI, React hooks for front end development.
- Backend was coded using NodeJS Express and deployed on firebase.
- Utilized Firebase NoSQL DB to store various data such as user info, project info, education background etc.

Husky App | Sole Programmer

<https://social-bc15d.web.app>

- Simple Twitter clone created to practice fullstack development
- Users are able to upload and change their profile picture, add post that can be seen by other users, and comment and like another user's post.
- Utilized Material UI, React Redux for front end development.
- Backend was coded using NodeJS Express and deployed on firebase.

Salted Caramel App | Lead Backend programmer

<https://saltedcaramelapp.herokuapp.com> (Obsolete)

- Worked with a team to create a simple web food ordering app (customers will be redirected to ordering page just by scanning a qr code).
- Gained valuable practice using AGILE methodology to manage project development.
- Utilized Node.js, MongoDB and various libraries to create a mock food ordering app.

Referee

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