

Raphael Chua

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Summary

As an experienced software engineer, I strive to develop speedy and scalable applications. I possess expertise in offering consulting services to both clients and colleagues. My skillset includes adept problem-solving and architectural design capabilities. Furthermore, I have a strong aptitude for quickly grasping new frameworks and techniques.

Experience

Standard Chartered Bank | Singapore

Full Stack Developer | 08/2022 - Present

- Developed UI application for elasticsearch API with ReactJS and NodeJS.
- Worked with helm chart tool to deploy the application to Amazon EKS.
- Worked on the proof of concept for migrating of pipeline strategies with Azure Devops tools.
- Worked on the Continuous Deployment templates for Azure Devops which were successfully adopted by all the teams.

Envision Digital | Singapore

Software Engineer (Frontend) | 05/2021 - 07/2022

- Implementing unit testing for various react components using Jest and React-Testing libraries.
- Responsible for handling multiple change requests in the front-end
- Build various react components in typescript using envision's custom libraries
 - Data visualization and forecast graphs
 - Building Alert dashboard to monitor IoT devices
 - Configuration web page for recommender system
- Provide bug fixes support in web application
- Contribute to Envision UI library.
- Responsible for deployment of various services in the pipeline.

NTT Ltd. | Singapore

Software Consultant | 07/2020 - 05/2021

- Worked on a Change Request for an existing Java application using spring, hibernate and struts
- Handled application support and bug fixes for the Java application.
- Responsible for initial setup of development environment
 - Worked with various team members to plan architecture and database design for a new project.
- Worked on a project using ReactJS and NodeJS.
 - Apply React hooks and optimization using memorization technique to the application
 - Create custom hooks to supplement and organize the application code.
 - Build multiple react components using the principles of Higher order component.
 - Implement dynamic logging with the use of RabbitMq queue system.
 - Modularization technique applied on NodeJS Api routes.
 - Worked on implementing mostly asynchronous function using async and await
 - Worked with OracleDB using SQL and Typeorm.

Aviva Asia Pte. Ltd. | Singapore

Cloud Engineer | 07/2019 - 06/2020

- Utilized strong decision-making and problem-solving skills
- Worked on Terraform script to automate AWS resources
- Worked on assessing applications for cloud migration
- Designed the architecture of the cloud infrastructure
- Gathering business requirements from various business units
- Worked with the technical leads on adjustments/modification of the applications
- Worked with cloud architect on the design of the cloud architecture diagram
- Understood the risks involved in using various AWS resources
- Worked on version upgrades on jobs monitoring application with NodeJS
- Worked on Insurance Plan Proposal application UI with AngularJS

National Healthcare Group Polyclinics | Singapore
Web Application Developer (Part-Time) | 09/2017 - 12/2018

- Worked with the application owner to deliver improvements on Staff management portal
- Refactored SQL statement and corresponding Java logic
- Developed leave planner calendar for nurses and doctors
- Implemented Tool-tips in the leave calendar for easy navigation and usage

Education

University of Glasgow | Singapore
Computing Science | 06/2019

- Second Upper-Class Honours

Nanyang Polytechnic | Singapore
Diploma in Engineering Informatics | 06/2015

- GPA 3.32/4

Publication

Published a paper regarding Edge Computing in IEEE Globecom 2019
(<https://ieeexplore.ieee.org/abstract/document/9013329>)

Languages

English