# Goh Yi Qian, Kenji – Full Stack Software Developer

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With 2 years of full-stack web application development experience in ReactJS, Redux, and serverless architecture on Amazon Web Services, I possess expertise in working with both non-relational databases, such as MongoDB and DynamoDB, and relational databases, including Redshift and PostgreSQL. My prior experience as a Project Manager in a government agency, leading teams of consultants, and as a computational designer in architecture design studios has further sharpened my professional acumen. I am currently working as a full stack developer in GIC-IIG External Manager Department that is responsible for managing external managers in the public market. Outside work I am actively pursuing AWS Certifications to certify my knowledge, and intent to complete CFA Level 1 for financial knowledge. My past design background also gives me an additional advantage when it comes to UI frontend development works.

## Technical Skills:

- [Front-end]: ReactJS, Redux State Management, TypeScript, JavaScript, HTML, CSS; [Back-end]: NodeJS, ExpressJS, Python Django
- [Databases]: MongoDB, PostgreSQL; [Cloud Services]: AWS DynamoDB, Redshift, Lambda, S3, Serverless Framework
- [Other Tools]: Git, JIRA, Jenkins, Docker, Deploy CloudFormation with Yaml file
- [Design & 3D Software]: Adobe Suites, UIUX Prototyping with Figma, Rhino3D, Autodesk Revit

## Work Experience:

### Full Stack developer | GIC | Apr 2022 - present

- Manage user requests and maintain an in-house portfolio performance application for portfolio managers.
- Migrated fund performance charts from tableau to application. Charts are used by the portfolio managers for formulating investment strategies.
- Proposed solution to user request and implemented new csv data download to view fund investments by strategy.
- Improve application performance by using code-splitting techniques to split up webpack bundles and refactor code with modular library imports.
- Monitor batch jobs daily for successful data loading into the database and verify investment performance figures for data accuracy.
- Help onboard interns to team and review their merge requests.
- Utilize a modern tech stack, including ReactJS, Redux-Saga, Aggrid, Recharts, serverless framework, AWS serverless architecture using services such as Lambda, DynamoDB, and Redshift. Uses Informatica for data integration, Control-M for scheduling batch job and Jenkins Pipelines for CICD.

### Full Stack developer | Ailytics Pte Ltd | Dec 2021 – Jul 2022

- Work in a high-paced 3-man development team and works directly with CTO in this AI surveillance video analytics start-up.
- Handles mostly front-end task, adding new features to an image-annotation and labelling dashboard application, and chat feature.
- Tech Stack: ReactJS, TypeScript, Material UI, Redux Toolkit, Django.

### Trainee | Salesforce-NTU Career Kickstarter Program | Jul 2021 – Dec 2021

- Learn Salesforce CRM solutions such as the Marketing Cloud and Tableau Data Visualization. More info here: https://trailblazer.me/id/yqgoh

### Project Manager | People's Association | Feb 2020 – Jul 2021

- Oversee submissions for funding approval for new and upgrading Community Clubs (CCs)
- Conduct Tender and appointment of consultants upon review of design proposals at planning stage.
- Monitor project schedules and preliminary costs and manage multiple Stakeholders, comprising Grassroots Leaders and Ministers.

### Teaching Assistant (Ad hoc) | SUTD | Jan 2021 – Apr 2022

- Co-instructor for Building Information Modelling (BIM), Autodesk Revit Software.
- Prepare lesson plan and teach weekly classes of final year undergraduate students for 2 consecutive years.

### Architectural Executive | DP Architects Pte Ltd | Oct 2017 – Dec 2019

- Administer and coordinate luxury condominium project in construction phase to ensure timely completion.

### Architectural Designer | Spark Architects Pte Ltd | Aug 2016 – Aug 2017

- Python-scripting and Rhino-Grasshopper scripting for building form design.

## Education:

### Software Engineering Immersive | General Assembly | May 2021 – Dec 2021

- Built full-stack projects using MERN (MongoDB, Express, React and Node) stack, Django, and PostgreSQL. UI Design using Figma.

### BSc & Master's in Architecture| Singapore University of Technology & Design (SUTD) | Aug 2016

- Recipient of Merit-based 4.5 years Scholarship that covers bachelor and master's degree tuition fees. Grade: 4.5/5.0 Distinction.

### A level | Meridian Junior College | Dec 2009

- Achieved 4 Distinctions in GCE A 'Level and recipient of College Academic Excellence Award.

## Certifications:

- AWS Certified Cloud Practitioner (Dec 2022 – Dec 2025)
- Hackerrank React Certificate (Oct 2021)
- IBM-Coursera Data Science Professional Certificate (Jun 2019)

## Personal Projects:

- **NextMedia | [Github]**: A Landing Page for local small VR Photography Booth Business. Built with React, Typescript & Antd Design.
- **DiyLifeStyle | [Github]**: Meal planning app that allows user to customize their own meal and monitor their calories intake and take charge of their lifestyle.
- **GarageSale | [Github]**: E-commerce Marketplace with Admin, Sellers, Shops and Buyers integrated with PayPal payment gateway.
- **CryptoTrader | [Github]**: Crypto Trading app with user wallet and buy sell function. Prices data are fetched via CoinGecko API.