



# Teo Jao Wei

Software Engineer, ObvioHealth

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## Skills Summary

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### Technical Skills

Languages: Javascript | Typescript | Python

Frontend: React.JS

Backend: NestJS (NodeJS) | Express (NodeJS) | MongoDB | MySQL

Testing: Jest | Vitest | Testing Library (React)

Infrastructure/Cloud: Docker | Kubernetes | Git

OS: Linux (Ubuntu) | Windows | WSL

Sample project built and deployed: <https://moneyleh-frontend.pages.dev/>

## Work Experience

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### ObvioHealth (Singapore)

*Full Stack Software Engineer, 01/2022 – Present*

- Develop web applications using React.JS for frontend throughout whole software delivery process from design to implementation to delivery.
- Develop web servers in Nest JS framework (based on Node.JS) on the backend, natively in the cloud via docker and Kubernetes in an event-sourcing architecture.
- Adhere to best software delivery practices such as using git for source control, CI/CD workflows and automating test hooks.
- Maintain OpenAPI specifications and event messaging schema specifications to ensure backward and forward compatibility.
- Develop and maintain companywide design system library ensuring consistency in design and good UX.
- Strategise, develop, and maintain testing automation strategies to minimize manual testing effort by product managers.
- Coordinate daily with multiple stakeholders, such as product managers, designers, and developers across multiple functions to ensure smooth software delivery and minimize incompatibility.
- Conducted multiple vendor assessments by conducting spikes to ensure that third party software is compatible with the company's use cases as well as value for money. Furthermore, ensured the smooth integration of chosen software into the existing infrastructure.
- Continually conduct performance testing and suggest improvements to company's infrastructure with regards to API latency and throughput, frontend loading times and responsiveness.

### Lauretta.io (Singapore)

*Software Engineer, 07/2021 – 12/2022*

- Gather user requirements and perform load testing on AI models to provide advice on technical and hardware (GPU/CPU/RAM) specifications for projects with both private and public sector.

- Picked up required knowledge to deploy real time AI inference models in 4 months. Continually improve on solutions by refactoring and amending infrastructure to improve efficiency of deployment.
- Co-developed in house software development kit (SDK) written in Python, that was shared among development team. This decreased duplicate code, pooled resources to improve code quality and increased project turnaround times.
- Conducted onsite deployment of servers, including maintenance and support for clients on various security and retail related projects.
- Continually refactor existing ReactJS analytics dashboard and NodeJS backend to fit changing client needs and improvements to AI data producers.

## **Goldman Sachs (Singapore)**

*Fees & Commissions Operations – Brokerage Clearing & Exchange, 09/2020 – 06/2021*

- Drive cost savings on brokerage, clearing and exchange costs paid by the firm in APAC through collaborations with many internal stakeholders (franchise managers, settlements teams, bank relations, technology, and business intelligence teams)
- Leverage on business intelligence (BI) tools such as Alteryx and SQL to automate current processes based on a software development lifecycle.
- Identified inefficiencies on trading flows and settlement flows on Asian markets (SGX, ASX, ...) coordinate between the exchange and multiple internal stakeholders to drive discussion on feasible solutions.

*Fees & Commissions Operations – Client Commission Management, 07/2019 – 09/2020*

- Reconcile equity, synthetic and listed derivatives trades with the client to ensure accuracy of commission capture. High level of collaboration with middle office teams and the trade flow
- Exposure to outsourced trading models, high interaction with introducing brokers in the soft commission space to provide them with rebates on behalf of prime brokerage clients.
- Liaise institutional clients daily on reconciliation of their soft commission balances and any of their research payment needs.

## **Education**

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### **Singapore University of Technology and Design (SUTD) Academy**

- *ModularMaster in Full-Stack Development, 2021*

### **Singapore Management University (SMU)**

- *Bachelor of Accountancy, 2015-2019*

## **Awards, Certifications & Interests**

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**Coursera, 2020**

- NYU Tandon - Information Visualisation: Foundations

**Cognizant (Singapore) Big Bytes Hackathon, 2019**

- 2<sup>nd</sup> Runner Up
- Analyse and give insights on identifying credit card frauds using machine learning with Python

### **Programming Interests**

- Golang to familiarize with compiled languages: