

# Benjamin Goh

Available full time from 15 Dec 2023

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## EXPERIENCE

### Seer

May 2023 – Aug 2023

#### Full Stack Developer, Intern

Technologies used: Auth0, Azure, C#, Docker, Golang, gRPC, MongoDB, NestJS, RabbitMQ, ReactJS, TailwindCSS

- Restructured existing in-house video processing modules into microservices in Python.
- Constructed a pipeline consisting of a Golang proxy server, Redis cache and said microservices for a high throughput and scalable video processing system on the cloud.
- Secured proper deployment of all web services on Azure Container Apps and Cloud Virtual Machine instances.

### FoodLine.SG

May 2022 – Dec 2022

#### Full Stack Developer, Intern

Technologies used: HTML & CSS, Javascript, jQuery, MySQL, NodeJS, PHP, Redis, REST APIs, Socket.IO

- Developed internal scripts for funds transfer from the company's bank accounts via FAST/Remittance as well as to receive notification for incoming payments.
- Improved existing subscription service to allow charging of customers through previous payment methods.
- Multitude of improvements to internal pages, supporting 6 departments, and external customer pages consisting of code and database query speed up, general feature implementations and bug fixes.

## TECHNICAL SKILLS

- Programming Languages: C#, C++, Dart, Golang, HTML & CSS, Java, PHP, Python, SQL, TypeScript
- Technologies: Auth0, Docker, Express.js, Flutter, Git, jQuery, JWT, MongoDB, MySQL, NodeJS, NestJS, PostgreSQL, RabbitMQ, ReactJS, Redis, REST, TailwindCSS, UNIX

## EDUCATION

**Nanyang Technological University, Singapore**  
**Bachelor of Engineering (Computer Science)**

Aug 2020 – Dec 2023

## PERSONAL PROJECTS

### Self-Driving Playground

*A web game where users train a neural network to drive and compete with others.*

- Worked on the backend which is built with Express.js as the framework and postgres for the database
- Integrated JWT authentication to ensure user integrity when competing
- Implemented a Telegram bot to broadcast messages to users who are subscribed to an ongoing game

### NTUMods

*A website for NTU students to retrieve module and venue information*

- Programmed several web scrapers to retrieve public information from NTU pages
- Primarily worked with the frontend component which was made using ReactJS
- Handled some of the backend which used Django as the framework and postgres for the database, allowing simple and robust data handling

## AWARDS

- Hack&Roll 2022 Top 8 2022
- Collaborated in a group of 4 to develop a game where 2 players can create their own reinforcement learning model for a playable character to move and shoot targets.