

# Goh Nicholas

Singapore

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## SUMMARY

Software Engineering Developer with 1 year of intern experience as a corporate software developer in a live-service company, NTUC, and a robotics company, NCS.

Proficient in highly sought after programming languages such as Golang, Java and Python. Also proficient in highly sought after full-stack software engineering frontend frameworks like React and Angular, databases like PostgreSQL and MongoDB as well as deployment tools like Nginx, Apache and Elastic.

Seeking a position as a Software Engineer to apply skills in developing scalable and efficient software solutions that drive business growth and enhance user experiences.

## EXPERIENCE

### Software Engineering Intern

NCS Pte Ltd

May 2023 - September 2023, Singapore

- Oversaw the backend integration of intralogistics application for robots to existing infrastructure.
- Integrated Flashbot from existing helper agent to intralogistics application, facilitating integration with the future 2 robots in NCS including RoverX, MATAR and Temi.
- Implemented DevOps strategies to automate deployment processes for intralogistics application on local c2 cloud server, improving deployment efficiency by 300% and reducing server runtime issues with pre-existing intralogistics application.
- Aided as an operator to MATAR and RoverX and helped with debugging multiple issues during Project Markov.

### Software Engineering Intern

NTUC ENTERPRISE NEXUS CO-OPERATIVE LIMITED

August 2022 - December 2022, Singapore

- Created and oversaw the creation of new APIs for their orders page
- Creation of migration scripts for database migration from development to production
- Implementation 100+ test scripts for testing existing APIs
- Utilised kubernetes to oversee the initiation of newly implemented APIs

## PROJECTS

### LoRA (Logistical Robotic Assistant)

NCS Pte Ltd • August 2023 -March 2024 •Product Manager, Software & Hardware Engineer of the entire team.

- Built the entire backend framework from scratch and maintained all API response times to 0.005ms which tops robotics industry averages.
- Led the development of features for Frontend and robotics team as product lead.
- Helped build the main features of the robot alongside other mechanical engineers.

### Google File System

[https://github.com/ignite99/GFS\\_Project](https://github.com/ignite99/GFS_Project)•July 2023 - November 2023 •Oversaw the project team's overall software development.

- Creation of master node to facilitate the activities of chunkserver activity including replication and storing of metadata.
- Aided in creating the base functionality of chunkserver.
- Assisted in the creation of client nodes to help simulate concurrency issues with the file system.
- Coordinated the initial software testing to ensure workability of the project's functionality.

## EDUCATION

### Bachelor of Engineering (Computer Science & Design)

Singapore University of Technological Design•Upper Changi•2024

- Awarded Scholarship due to active service in community

## CERTIFICATIONS

### Go (Programming Language) assessment

LinkedIn • 2023

- Certified with a time limit by testing key important skills in MCQ utilised the core functionality of the language.
- By testing questions that test on concurrency as well as threading, it plays to the language's strengths in environments like backend server side maintenance

### C++ assessment

LinkedIn • 2023

- Certified in a test setting that questioned developers about the complex uses of the language.
- Utilized the key nuanced functionality of C++ to test developer's knowledge on the language.

## SKILLS

Frontend: HTML, CSS, SCSS, SASS, Javascript Frontend

Frameworks: Angular, React, Electron

Backend: Python, Java, Golang, Ruby, PHP, C, C#, C++

Relational Database: MySQL, Oracle, PostgreSQL

NoSQL: MongoDB, Redis, Firebase

Containerization/Visualization: Docker, Kubernetes Deployment: Nginx, Apache, Elastic

Cloud: AWS, Azure, Heroku

Non-Coding Skills: Product Management, Marketing, Leadership