## PERSONAL

**NATIONALITY** SINGAPOREAN

**LANGUAGE** ENGLISH, MANDARIN

## EDUCATION

**Software Engineering Immersive**
GENERAL ASSEMBLY SINGAPORE
SEP 2021

**(BA) Honors, Audio Production**
MIDDLESEX UNIVERSITY
2012 - 2014

**Diploma, Games & Animation**
TMC ACADEMY SINGAPORE
2006

## TECH STACK

### FRONT END

- REACT
- GATSBY
- JAVASCRIPT
- HTML5
- SASS/ SCSS
- BOOTSTRAP
- ANTD

### BLOCKCHAIN

- SOLIDITY
- OPEN ZEPPELIN
- CHAINLINK
- ALCHEMY
- INFURA
- HARDHAT
- ETHERS
- REMIX IDE
- SMART CONTRACTS
- L2 SIDE CHAINS
- TENDERLY

### BACK END

- NODE JS
- JAVASCRIPT
- EXPRESS JS
- RESTFUL APIS

### DATABASE

- MONGODB
- MYSQL

## ABOUT ME

A Blockchain Developer at Igloo Insure currently based in Singapore. I have decided to explore other opportunities that would prioritize blockchain technologies, provide a larger collaborative and supportive environment and a faster pace that will introduce exciting challenges to improve my skill sets on a more consistent basis.

My most notable project with Igloo Insure was to develop a solution on the blockchain that houses a treasury within a smart contract that stores, updates and delete existing policies. I have planned to utilize multiple products from Chainlink to retreive data and to automate the process for claims, refunds and cancellations. I created my own library and built mulltiple factory contracts to include tokenomics and algorithms on deployment to the Mumbai Polygon Testnet.

## WORK EXPERIENCE

### IGLOO INSURE APR 2022 - CURRENT
**Blockchain Developer**

**Index Insurance on the blockchain**

Deployed multiple smart contracts on the Polygon Mumbai testnet with customized libraries for mathematical algorithms and complex calculations including the use of Open Zeppelin libraries for secure smart contract development. Experimented with multiple Chainlink products to execute data retreival and other off chain communications, and to automate processes within the blockchain for claims, refunds and cancellations of policies.

Created a front end interface with React JS to interact with the smart contracts on the blockchain and explored SWR with stale-while-revalidate stretegies for realtime data fetching on chain. Collaborated with the backend team to integrate and successfully presented the suite of solutions to our clients as proof of concept.

### CENTAUR FINANCE OCT 2021 - MAR 2022
**Full-stack Software Engineer**

**Learning Solidity & DEFI**

Completed Solidity Online Course on Udemy and began developing multiple test projects which was weekly reviewed by company CTO. Built Escrow smart contracts, ICO contracts and implemented DAO governance and simple gamification features such as lotteries and voting. Deployed and tested the smart contracts on the Ethereum testnets.

My most notable project was to fork the Uniswap v2 and the Sushiswap projects from Github to test and implement my own ERC20 tokens, create my own swap and to experiment with Masterchef for liquidity pool yield farming.

### GENERAL ASSEMBLY MAR 2021 - SEP 2021
**Student**

**Software Engineering Immersive**

Completed 6 months of booptcamp while working full time at Facebook as an Event Operations Technician under Monolith Technologies. I learnt to develop mainly with the MERN stack as well as picking up additional knowledge on Python and frameworks like Flask and Django.