

# Min Jae Lee | MJ |

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<https://github.com/mj221/>

## PROFESSIONAL EXPERIENCE

**2022-04 – Current**      **Software Engineer - Blockchain Developer**  
(Brisbane, QLD)      *Labrys | Blockchain-based finTech company*

- | Designed applications using blockchain technology with TypeScript and MERN stack to make viable products for clients.
- | Created RESTful services with Node.js and scalable web architecture with responsive UX for standard-compliant, cross-browser, mobile compatible front-end code.
- | Worked with Ethereum smart contracts and Chainlink Oracle.
- | Created Unit and Integration tests for smart contracts.

## COURSEWORK

Advanced Topics in Cryptographic Algorithms & Blockchain Technology |  
Vulnerability Assessment & Penetration Testing | Information Security |  
Probability Models & Data Analysis | Algorithms & Data Structures |  
Functional & Logic Programming | Computer Systems |  
Cloud Computing | Web Information Systems |

## PERSONAL PROJECTS

<b>GiX - Exchange</b> (2022)	A decentralised exchange built with Ethereum Smart Contracts, React and Redux library. Facilitates ERC-20 token trading with open order books and TradingView price charts.
<b>MetaGram</b> (2022)	A social media platform inspired by Instagram, built with Ethereum Smart Contracts.   Built with IPFS and ReactJS with Bootstrap.
<b>YG – Yield Aggregator</b> (2022)	A yield aggregator that compares the APY between COMPOUND AND AAVE Protocol to find better interest rates. User makes DAI stablecoin deposits which is rebalanced by the protocol.   Programmed in ReactJS and Solidity.
<b>InvestIdea</b> (2021)	A decentralised crowdfunding platform using Ethereum Smart Contracts.   Build with Vue.js and Solidity with Remix. Integrated with GAE.
<b>Covid Shopper</b> (2020)	An app that help stores regulate social distancing behaviours by tracking crowdedness in stores with QR codes. Has a store recommendation feature based on the number of recorded local cases and available products in stores.   Built at the University of Queensland with React and TypeScript, backed by MySQL.
<b>Melon Name Service [MNS]</b> (2022)	A domain name service deployed on the Polygon Blockchain.   Users pay a fee to create their own unique domains under Melon TLD (top level domain). Proof of Ownership is represented via NFTs.   Solidity smart contract built with Hardhat, EthersJS and Infura IPFS.

## PORTFOLIO

<https://mj221-portfolio.herokuapp.com/>

## EDUCATION

2018-01 - 2021-12  
**Bachelor of Computer Science**  
University of Queensland

## LANGUAGES

**Proficient:**  
*Python | Java | C | SQL | JavaScript | TypeScript | Solidity | HTML5 | CSS3 |*

**Familiar:**  
*VB.NET | XML | PHP | Rust | Haskell | Atmel | Scala |*

## FRAMEWORKS

ReactJS | React Native |  
VueJS | Truffle | Codelgniter  
| Bootstrap | Hardhat |

## DATABASES

MySQL | NoSQL | MongoDB |

## TOOLS

Unix | Bash | Git | AWS |  
GCP | Docker | Heroku |

## INTERESTS

| *Blockchain & Web3*  
| *Machine Learning*  
| *NFTs & Metaverse*  
| *Crypto & Forex Trading*  
| *Tennis*