

MATHEW JOSEPH

Software Engineer

PERSONAL PROFILE

Aspiring Full Stack Developer with a keen eye for design and functionalities, who wants to work with like-minded people in challenging projects. Open source contributor at Freecodecamp, Mattermost and Altair.

ACCOMPLISHMENTS

- ETHGlobal 2020 - Ceramic sponsor prize winner - <https://bit.ly/2KEmM1B>
- Front End Developer Certification from FreeCodeCamp (July-2016)
- Javascript Algorithm and DataStructures Certification Freecodecamp - <https://bit.ly/2ugfhCd>
- NPTEL Introduction to Modern Application Development (Oct 2016) - 86%
- Second Runner-Up at Robotics Competition conducted by IIT Bombay (January 2015).

GET IN TOUCH!

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Medium: <https://medium.com/@jmathew1706>

PROFESSIONAL CAREER

Frontend Engineer

SovereignWallet | July 2019-Present

- Lead developer in Metablockchain which is an in-house blockchain system and worked on UI and JS SDK which interacts with it.
- Lead UI developer for crypto exchange built on React.
- Integration of crypto assets and implementing financial operations with the assets on the frontend side.

Software Engineer

Terrific Minds Pvt Ltd. | April 2018 - July 2019

- Worked on challenging portions of e-commerce projects.
- Introduced and Spearheaded training in new technologies like ReactJS.
- Lead developer in a project with direct client interactions and successfully implemented it.

ACADEMIC BACKGROUND

St Joseph's College of Engineering and Technology

Bachelor Of Technology - Computer Science | 2013-2017

- Database Manager - Placement Cell
- Technical Assistance in Technology Fest's in College
- College Representative - Computer Society of India.
- Member - IEEE

MaryRani Public School and Junior College

Graduated - May 2013

SKILLS

- | | |
|------------------------|---|
| Frontend Languages | - HTML5, CSS3, Javascript, Typescript |
| Backend Languages | - Php, Nodejs (Basic), Rust (Basic) |
| Frameworks & Libraries | - React , React Native, Vuejs, Laravel, Drupal 8, Magento 2 |
| Database | - MySQL, MongoDB (Basic) |
| Project management | - Github, Jira, Confluence |
| Operating Systems | - Linux and Mac OS |

PROJECTS

Metawallet

Technologies Used: React Native 0.63, PolkadotJS, TypeScript

- Mobile app which communicates with our in-house blockchain network.
- Implemented the frontend code architecture for the project.
- Responsibilities included conducting discussions, plan UI tasks, and delegate them to others and complete them in weekly sprints.
- Perform Code review and maintain the codebase quality by integrating ESLINT, Prettier, and husky.
- Implemented the initial account creation and communication with Metablock exchange for Verifiable credential download.
- Implemented the logic for storing key pairs in the secure storage of devices and encryption/decryption of these data.
- Used React context for storing information to be accessed globally and implemented custom hooks to abstract the logic for accessing them.
- Created a Github action for uploading android debug build on merge to master branch.

Metablockchain JS SDK

Technologies Used: Javascript, PolkadotJS, NPM

- Worked on the JS SDK which contained logic for interacting with the Metablockchain.
- Implemented changes to enable installation of JS SDK as an npm module.
- Implemented the JS functions for transactions from DID to DID and balance subscription and fetching functions.
- Implemented functions which is used for storage of DID in blockchain.

Self Sovereign Identity App (MVP)

Technologies Used: React Native 0.61, Typescript, Hyperledger Indy, Java

- Worked on implementing an MVP app that uses Hyperledger Indy as an identity blockchain.
- There was no react native module which worked with Hyperledger Indy properly so I worked on creating a native bridge in Java that communicates with the Java wrapper for Indy so that it could be used as JS functions in code.
- Worked on implementing and testing logic for opening a connection to blockchain and updating the identity blockchain.
- Implemented the 3 phase Verifiable Credential download process in the app.
- Downgrade the RN version from 0.63 to 0.61 to solve an issue with connection setup to the blockchain.

Metablock Exchange

Project Overview: Cryptocurrency exchange which includes crypto trading, fiat to crypto conversion and staking.

Technologies Used: React, React hooks, Redux, AWS Amplify, AWS S3, AWS AppSync

- Integration of crypto assets and creation of a scalable frontend architecture to make it easy to add new assets.
- Integration of Appsync with exchange components for showing real time updates.
- Used cryptographic functions to secure sensitive information and for signing financial transactions.
- Worked on the wallet related functionalities.
- SMS and TOTP based authentication with AWS Cognito
- Performance optimisation using code splitting
- Implemented upload functionality to S3 which utilised pre-signed urls which increased the security of the process.

Sovereignwallet

Technologies Used: React Native, Redux, TypeScript

- Integration of new crypto assets like Stellar, Tezos and Cosmos.
- Functionality to deposit assets from mobile wallet to metablock exchange.
- Asset history screen which showed the transaction history of different crypto assets.
- Android and IOS build deployment.
- Refactoring of old code base

Survey Creation Tool (Personal Project)

Technologies Used: Typescript, Redux, Nodejs, MongoDB

- Created the frontend architecture for dashboard
- Created a no code widget creation UI using iframe messaging for pushing updates from dashboard app to widget.
- Widget CRUD operation flow.
- UI for Authentication with social accounts.

PROJECTS

Global Footcare

Technologies Used: Magento 2.3 B2B

- Megamenu - Filter menu items based on B2B or B2C user.
- Generation of catalog of products in pdf form for the shared catalog (Catalog of products for a specific company) by grouping products in a 2 level groups.
- Grid based quantity edit option in checkout for configurable products.
- Generation of CSV file containing all the products accessible for a specific B2B user for ease of doing quick order.

Neuroclub

Technologies Used: Magento 2.2, Stripe

- Customizing frontend with new design and layout.
- Integrated Social Login Module
- Created Module for customising bundling options..

Alrashed Shipping - B2B Portal

Technologies Used: Drupal 8, Laravel 5.6, Lumen, VueJS

- Lead developer with direct client interactions.
- Development of REST API's for mobile app.
- User Management on Drupal Site from Admin app using REST API's.
- Document Request Page with multiple file upload.
- Notice Feature which lets admin sent notices to users in four different ways- Global, User specific, User role specific and Voyage number specific.
- Automated Mail Delivery on document and notice creations.
- Development of Restful Api's to get data from ERP database in **lumen**.
- Sync data between ERP Database and Main Website for authorised users.
- Push Notification using Firebase for mobile app.
- Deployment on AWS EC2 Instance.

Curacao

Technologies Used: Magento 2.2 EE, KnockoutJS

- Inventory Allocation Logic for Invoice Creation.
- Checkout - Delivery Method Selection Tab.
- Checkout - API for retrieving shipment method and rates for each product.
- Address step in Checkout.