

# AHMED IBRAHIM

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## >> About Me

I am a **software engineer** with a huge interest in **Machine Learning** and data-driven decision making. My experience ranges from working on Real-Time messaging systems that can handle thousands of messages per day to scale **open-source** projects to serve more than **1+ million** active users.

## >> Skills

### Front End

JavaScript/TypeScript, ES5/6, **React**, **Redux**, Next.js, Apollo + GraphQL, Tailwindcss, Material-UI, **Git**, HTML5 and CSS3/SASS.

### Back End

**Node.js**, Express.js, Mongoose.js, Apollo-Server, socket.io, **Python**, **Django**, **Flask**, MySQL, **PostgreSQL**, MongoDB and **Docker**.

### Testing

Jest, Enzyme, Selenium, Cucumber and **Cypress**

### Machine Learning

NumPy, Pandas, Matplotlib, **Scikit-Learn**, **TensorFlow**, NLP, Computer vision and **data-pipelines**.

## >> Experience

### Emurgo - Software engineer (Remote)

Jul 2020 – Present

- EMURGO is one of the companies behind the **Cardano Project** and the company behind **Yoroi Wallet** chrome extension.
- Yoroi Wallet is an **Open-Source** Project on [GitHub](#). It is used **by over 500K users**.
- We moved from **200K to 500K** users by Scaling the backend API to serve our **1+ million users** on both the extension and the app, add completely new interactive UI and extend the Cardano ecosystem by introducing the dApp Connector(Metamask like) that will enable developers from building dApps and allow users from interacting with their favorite dApps.

### Connexease - Software engineer (Remote)

Aug 2019 – Jul 2020

- Connexease is a real-time multichannel messaging system with more than **700 million messages**. It connects agencies with their customers.
- Allow our customers to be more connected to their users by integrating more platforms like WhatsApp, Instagram, and Telegram.
- The messaging system was built on top of React.js on the frontend and Django/PostgreSQL on the backend

### Spherium Finance - Software engineer (Remote)

Dec 2018 – Aug 2019

- Leading fintech platform in the decentralized financial sector.
- Working as a part of a team to develop a cross-chain swapping platform using web technologies like React.js/Redux and backend tech like Node.js and MongoDB.

- Building software as a service (SaaS) to enable our users from moving their tokens between different chains.

## >> Projects

**WALLET** (React.js, Redux, Tailwindcss, Node.js, Express.js, Mongoose.js)

[Live](#) | [GitHub](#)

- **E-Commerce** Platform that gives the client a good shopping experience
- Shopping cart, Wishlist, **search**, **advanced filters**, checkout, **payment**, REST API, Auth

**CONNECT** (JavaScript, React + Redux, socket.io, Express.js, MongoDB)

[Live](#) | [GitHub](#)

A Real-time chat application.

- Built backend with Node + Express + Mongoose so non-relational database could propagate with scalable, diverse data.
- Utilized React + Redux to render modal page forms that provide users an intuitive UI with components easy to maintain.
- **Features:** Register an account and login, save data, join an existing group, or create your own group to communicate with everyone, chat privately with anyone and add them as friends, update user info, fully customizable, easy to use.

**Pathfinding Visualizer** (React.js, Redux, Material-UI, HTML, CSS, JS)

[Live](#) | [GitHub](#)

Implementation of common pathfinding algorithms.

- This application supports **Dijkstra's Algorithm**, **A Search \***, **Jump Point Search**
- Made with React, redux, react-spring.

**HOMEPRESS** (GraphQL, Apollo, React.js, Node.js, MongoDB)

[Live](#) | [GitHub](#)

**Open-source real estate platform.**

- **Advanced Search:** Help visitors find the right property by letting them set various search criteria such as size and price range.
- **Advantages:** Dewing on maps, Gallery Images, powerful filters, Saved Properties and 100% Mobile Ready

**Sorting Visualizer** (React, Material-UI, HTML, CSS)

[Live](#) | [GitHub](#)

Program made with **React and Material-UI** for visualizing sorting algorithms.

- I built this application because I was fascinated by sorting algorithms, and I wanted to visualize them in action.
- Features: Prev and next buttons to control the steps, custom array sizes, custom sorting speed.
- Applying **Heap Sort**, **Insertion Sort**, **Selection Sort**, **Quick Sort**, **Merge Sort**, **Bubble Sort**.