



Osama Mohamed Ammar


Frontend Engineer Giza, Egypt

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Work Experience

Full Stack Engineer (Full-time - MERN) **@AimTechnologies**

Jul 2022 - Present

aim technologies is a social media listening tool that works with large extensive data and Surveys that ensure that you can stay ahead of your competitors and increase your ROI.

- **Revamp** totally social media listening tool using **NX framework architecture**.
- Handled the **configuration and setup** of the react app for the **nx monorepo**.
- Worked on multiple **complex dashboards** with **various charts**, such as line, bar, donut, pie, sunburst, meter chart, complex_line, complex_bar, complex_donuts, complex_Meter, ...etc.
- Implemented multiple components, custom hooks and handle public and private routes.
- Used **redux-toolkit** as state management
- Leveraged **axios interceptors** to manage the **refresh token** in the new tool.
- **Refactored** backend APIs logic and extractors for charts to be suitable for the new revamp.
- Collaborated on the creation of **complex forms** in the settings dashboards.
- Participated all sorts of **agile/scrum ceremonies** (userstory grooming, sprint planning, retrospective, etc).
- Exposed to code review, Git flow, code guidelines, and conventions.
- Worked on **legacy code** on old tool (react class component) maintaining old features.
- Efficiently managed and **generated dynamic reports**, crafting them into **PDF**, **Excel**, and **PowerPoint** formats.
- **Impact**: Optimizing and enhancing the performance of the tool by **96%** faster page load speed, reducing JS and CSS bundle size (splitting, lazy loading), also used compression technique, minimize resource usage and other techniques to enhance performance metrics.

Technologies and tools: React - TypeScript - Redux Toolkit - NodeJS - MongoDB - Express - Ant Design - REST APIs - BEM - Jenkins - MongoDB - Tailwind CSS - SASS - React Query - Apache Echarts - Zeplin - Jira - Figma - AdobeXD - PDF Monkey - Mix-panel - Webpack - Nx

Education

Bachelor of Computer Science

Culture and science city | 2017 -2021

Grade: Very good With Honors - Ranked 2nd - (Percentage: 83.24% - GPA: 3.3)

Technical Skills

- | | |
|--|--|
| <ul style="list-style-type: none">• HTML• CSS, SASS, PostCSS, Tailwind CSS• CSS Methodolgies• JavaScript, TypeScript• React• NodeJs, MongoDB• State Management(Redux, Redux-toolkit)• React Query• Ant Design• Apache Echarts• NX Monorepo | <ul style="list-style-type: none">• Styled Components• Testing Automation (Cypress)• Familiarity with RESTful APIs• Module bundlers (Webpack - Vite)• UI Design (Figma - Adobe Xd - Zeplin)• DevOps (Jenkins)• Version control (Git & GitHub)• Semantic HTML and Web Accessibility.• Understand JavaScript Under The Hood.• Web Performance and Optimization.• Package Manager (NPM, YARN) |
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Projects

Graduation Project (ToBeHero) - Mentorship platform for kids | MERN | 2021

 [Link](#)

My Role:

- Built structure of react app and Built web components and pages.
- Wrote custom **hooks**, handle public and private routes.
- Implemented payment process using **stripe**.
- **Translate** first page in Arabic (multiple languages)

Technologies and tools: React - Redux - Stripe Payment - Axios - SASS - WebRTC- WebSockets - MongoDB - Express - REST APIs - MongoDB - Figma - Slack -Trello -Discord

E-commerce Project

2021

Technologies and tools: React - Redux - Paypal Payment - Axios