




Osama Mohamed Ammar


Frontend Engineer Giza, Egypt

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Work Experience 2+ Years 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.
- Developed an internal tool for PDF generation using Puppeteer.
- Optimized PDF generation processes, achieving over **95%** compression and significantly reducing file sizes.
- Applied observer pattern to enhance real-time interactions and optimize user interfaces.

Reward : AIM Hero (23Q4)

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

- 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
- 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)

Projects

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

 [Link](#)

Technologies and tools: React - Redux - Stripe Payment - Axios - SASS - WebRTC- WebSockets - MongoDB - Express - REST APIs - MongoDB - Figma - Slack -Trello -Discord -i18n

E-commerce Project

2021

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