

Mohamed Adel

Software Engineer

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Work Experience

Frontend Engineer — [Trella App](#)

Cairo, Egypt | 03 / 2023 — Present

- Contributed to the application's design system UI kit by implementing 5+ generic reusable react components.
- Introduced react-aria hooks to the application making an enhancement to the code complexity.
- Collaborated with the product team in designing new features, handling edge cases, and UX.

Frontend Engineer (Freelance) — [Astudio](#)

Dubai, UAE | 03 / 2023 — 04 / 2023

- Collaborated with the development team working on a full stack application to track down finances and employees.
- Implemented a pdf creator to export receipts dynamically with the ability to preview and download.
- Suggested and implemented drag & drop feature to easily rearrange table columns across the whole application.

Full Stack Engineer — IBM

Cairo, Egypt | 02 / 2022 — 03 / 2023

- Collaborated remotely with the global logistics team in the US to significantly enhance the customer support tools by 85%.
- Implemented a React Application for authenticated users to submit and track support tickets.
- Proven trackable record of delivering projects with high-quality UI and Experience with modern front-end UI technologies.
- Managed Tracking Docs loaded from the Clouant DB using Redux Toolkit and React states.
- Created a generic Functional React Component to provide autocompletion and ensure IBM emails validity.

Full Stack Intern — IBM

Cairo, Egypt | 08 / 2021 — 02 / 2022

- Developed a full stack web application that automates the process of reports generation containing Charts and Metrics.
- Participated in the R&D process by researching the best approaches to implement.
- Created backend web services to retrieve and filter data using Node.js, Express.js, and DB2.

Languages/Frameworks (proficient): React JS, Hooks, Context API, Render Props, ReduxJS, Redux Toolkit, Node JS, Express JS, JavaScript (ES6+), TypeScript, Next JS, Vanilla JavaScript, NoSQL, Schema Design, MongoDB, HTML, SASS, CSS, Tailwind CSS, OOP, Data Structures, Design Patterns, Git, Bootstrap, RESTful API, Webpack.

Languages/Frameworks (prior experience): C, Java, AJAX, DevOps principles, Docker, Heroku, Firebase, Vercel, Wordpress, MySQL, Jest, Cypress, React Native, Python, OpenCV.

Technical Skills: Coding, Debugging, Testing, CI/CD, SDLC, Agile Methodologies, Problem Solving, Algorithms, Server-Side NodeJS Development, Front-end and back-end Development, Databases, SOLID principles, Unit testing, Component testing, GUI testing, Unit and integration testing/Test automation.

Soft Skills: Friendly, Flexible, Self-managed, Communication, Collaboration, Willingness to learn, Creativity, Adaptability, Teamwork, Fluent spoken and written command of English.

Education

Alexandria University, Faculty of Engineering, Bachelor's Degree

09 / 2016 — 07 / 2021

Major: Computer and Communications Engineering

Relevant Coursework: Full-Stack Web Development, Object-Oriented Programming, Data Structures, Algorithms, and Software Development Methodologies.

Certifications

Cloud Application Developer 2019 - Mastery Award | Issued by IBM | [Badge](#)

10 / 2020 — 12 / 2020

Selected Projects

Social Media Management Platform | Graduation Project

- Collaborated with the graduation team to create microservices-based applications.
- Used Facebook, Twitter, Instagram APIs to organise campaigns statistics and analyse posts performance.
- Produced behavioural and structural UML diagrams to arrange our requirements and implementations.

Arabic Joke Generator | [Link](#)

- Created Restful API that provides 100+ Arabic jokes using Node.js and MongoDB Atlas as a NoSQL db.
- Designed a single page application with 5 main features using ReactJS.
- Deployed and maintained the react application on Heroku.

Redux-Movie-App | [Link](#)

- Developed a web application that integrates with IMDB API to retrieve all movies and TV shows.
- Fetched data using Redux Thunks and manipulated the results using Redux State and Reducers.
- Performed Searching and filtering features by local states and react hooks.

Resume Website | [Link](#)

- Implemented a single page Next JS application that integrates with github API to retrieve projects and repositories.
- Created an interactive and animated UI using TailWindCSS and DaisyUI components.
- Designed the application to be easily reused by anyone who forks the repo and uploads their own files.