Ahmed Habeila
Front-end Web Developer

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ABOUT

I am a software engineer with strong analytical and problem-solving skills. I have 5 years of professional experience, mainly in front-end development using **React**.

I worked on various projects and dived into a lot of concepts of front-end development, from content-driven websites focused on accessibility and SEO to data-driven web apps with complex forms, data-rich charts and tables, reusable UI components and design systems.

WORK EXPERIENCE

Front-end Web Developer
Calqulate

November 2020 - January 2023

Working full-time for more than two years on this project, I led a team of 5 front-end developers in the process of creating and maintaining features while setting design system standards for the design team to follow.
My biggest responsibility in this project was to create and maintain different libraries in a monorepo for tables, charts and reusable UI components.

Projects:

Calqulate: A financial tool for modern SaaS organizations that
- Collects data from multiple sources and automatically generates reports on finances, growth metrics, cashflow forecasting, cash management, customer growth and churn, multi-source subscription management and more.
- Features complex editable tree tables with fixed columns, sticky headers and advanced styles, interactive data rich charts.
- Integrates with most known major accounting and subscription software like Stripe, Procountor, QuickBooks and Xero.

Achievements
- Built a proprietary charts library using D3.js with 10 different types of charts with animations, interactive tooltips, legends and placeholders with randomly generated data'
- Created front-end monorepo architecture, including 2 apps and 5 independent libraries
- Built a library for performant editable tree tables with fixed columns, virtual sticky headers and advanced styles
- Built a responsive app layout with Atlassian-like collapsible drawer and mobile menu
- Built time selectors and filters that follow a global state design pattern and sync with the URL
- Built an integration with Stripe for the users to pay for subscriptions
- Built a proprietary types SDK to ensure API type safety between front-end and back-end

Technologies used

`React` `TypeScript` `Material UI` `Sass` `Styled components` `react-hook-form` `Zod` `D3.js` `Storybook` `Hasura` `Stripe API` `GraphQL` `react-query` `Auth0` `Turborepo` `Sentry` `Hasura` `AWS`

My responsibilities

`Front-end Web App` `Back-end API Types SDK`

Full-stack Web Developer
Coformatique

May 2020 - November 2020

Working as a full-stack web developer on varying projects in this warehouse company, using different sets of technologies, I gained experience in accessibility, pixel perfect UI, responsive design and SEO.

Projects:

BMW Foundation: Built this website from the ground up until it went live, it's an informative website of the BMW Foundation's mission, plans and events. The website features advanced accessibility features and multi-language routing.

Technologies used

`React` `Gatsby.js` `TypeScript` `Material UI` `JSS` `Multi-language Routing` `Responsive UI` `i18next` `Axios`

My responsibilities

`Website (front-end)`

TwentyThirty: An online magazine managed by the BMW Foundation inspiring a just and sustainable future in alignment with the UN 2030 Agenda.

Technologies used

`React` `Gatsby.js` `TypeScript` `Material UI` `Responsive UI` `JSS` `Axios`

My responsibilities

`Website (front-end)`

Educational platform: An educational platform where professors can upload and schedule lectures to different classes, automatically create and share Zoom meeting links after a lecture have been seen by all the students to discuss it, create assignments, quizzes and grade students. We built two mobile apps for Android and iOS, an admin dashboard where professors can manage lectures, send emails with grades to students' parents.

Technologies used

`Firebase` `Express.js` `TypeScript` `Sendgrid` `React` `Material UI` `JSS` `Formik` `Yup` `Axios`

My responsibilities

`Back-end (Firebase)` `Admin Dashboard (front-end)`

Full-stack Web Developer
Haya Solutions Inc.

May 2019 - May 2020

Projects:

Netjeek: Built an eCommerce trans-shipping system designed to facilitate the purchase and delivery of goods to countries where customers can't place an order to international e-retailers directly.

Achievements
- Built an integration with Google maps where the user can pinpoint their delivery location on the map with automatic location detection
- Built an integration with Stripe for the users to pay for shipments
- Built the front-end app
- Did a system analysis defining APIs with all the possible responses
- Created a mock API with example responses for each end point, with a configurable front end to change between possible status codes

Technologies used

`React` `JavaScript` `Material UI` `JSS` `Express.js` `Global State with React hooks` `Stripe API` `i18next` `Axios` `JWT` `Google Maps` `JSDoc` `Enzyme` `Python`

My responsibilities

`eCommerce Website (front end)` `System Analysis` `Mock API creation`

SKILLS & TOOLS

React
JavaScript
TypeScript
HTML
CSS
Node.js
Git

`SCSS/Sass` `Styled components` `JSS` `Material UI` `Ant Design` `Tailwind CSS` `Responsive UI`
`Webpack` `D3.js` `DevExpress` `i18next` `JSDoc` `Redux` `Redux-Toolkit` `Zustand` `react-query` `Auth0`
`PostgreSQL` `GraphQL/Apollo` `Express.js` `MongoDB` `Firebase` `Unit Testing`
`GitHub` `BitBucket` `Agile` `Jira` `CI/CD`
`Python` `Solid JS` `C++` `Vue.js` `Next.js`

LANGUAGES

English (Fluent)
Arabic (Native)

EDUCATION

Bachelor's Degree of Computer Science and Automatic Control
Faculty of Engineering - Tanta University
2014 - 2019

GRADUATION PROJECT

An Express-like C++ web application framework ⚫
A simple-to-use web development framework with an easy syntax inspired by Express.js that lets developers build full-fledged back-end multi-threaded API servers and connect it to the desired database in C++ that also supports middleware.

`C++17` `CGI` `Apache` `Multithreading` `Linux`

SELF-TAUGHT COURSES

Mastering React (by Mosh Hamedani)
Node.js - The Complete Guide to Build RESTful APIs (by Mosh Hamedani)
Vue - The Complete Guide (w/ Router, Vuex, Composition API) (by Maximilian Schwarzmüller)
CSS - The Complete Guide (by Maximilian Schwarzmüller)
Master C++ and OOP (Learncpp.com)
Introduction to Game Development Specialization (Coursera)