AHMED HABEILA
Full-stack Web Developer

✉ HabeilaAhmed@gmail.com
☐ +20 (101) 517-8686

in LinkedIn
⌨ GitHub

ABOUT

I am a software developer based in Egypt, interested in web development, game development, Python scripting and all that includes programming. My work extends from system design, analysis to complete implementation. I'm currently working as a MERN stack developer focused on front-end, with flexibility to work on other stacks.

WORK EXPERIENCE

Full-stack Web Developer — Coformatique
May 2020 - Present

Working as a full-stack web developer in varying projects using different sets of technologies. I've gained the most experience working here, tackling more challenging problems.

Projects

- **Calqulate**: A financial tool for modern SaaS organizations that 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. Collects data from most known major accounting softwares. My biggest responsiblity in this project is to create and maintain different libraries in a monorepo for tables, charts and reusable UI components

  My responsiblities
  `Front-end Web App`

  Technologies used
  `React` `TypeScript` `Material UI` `Sass` `Styled components` `react-hook-form/Zod` `D3` `Hasura GraphQL/Apollo` `Auth0` `Sentry`

- An educational platform where professors can upload and schedule lectures to different classes, 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.

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

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

- **TwentyThirty**: Built this one also from the ground up, it's an online magazine managed by the BMW Foundation inspiring a just and sustainable future in alignment with the UN 2030 Agenda.

  My responsiblities
  `Website (front-end)`

  Technologies used
  `React` `TypeScript` `Material UI` `Responsive Design` `JSS` `Axios`

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

  My responsiblities
  `Website (front-end)`

  Technologies used
  `React` `TypeScript` `Material UI` `Responsive Design` `JSS` `I18Next` `Axios` `Multilanguage Routing`

Full-stack Web Developer — Haya Solutions Inc.
May 2019 - May 2020

Worked as a full-stack web developer at a Canadian software outsourcing company. Collaborating with a team on building on-demand software solutions for a number of customers. Each solution varies according to its nature, and most rely on the integration of two or more platforms.

Projects

- **Netjeek.com**: First project I've worked on that's went live, it's 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

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

  Technologies used
  `React` `Javascript` `Material UI` `JSS` `Express.js` `Global State with React hooks` `Stripe Payment Gateway` `I18Next` `Axios` `JSON Web Token` `Google Maps` `JSDoc` `Jest` `Enzyme`

- A web application for an asset tracking system designed to manage, track and generate statistics about equipment and their status

  Technologies used
  `React` `Javascript` `Material UI` `Feathers.js` `MongoDB` `JSON Web Token`

EDUCATION

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`

SKILLS & TOOLS

TypeScript
React 18
Material UI
Node.js
Git

`Jira` `JSS/Styled components` `Data fetching` `Localization` `Forms & validation` `Responsive Design` `Unit Testing` `JSDoc` `Global State Design`

`Express.js` `Firebase` `MongoDB` `JWT`

`JS/HTML/CSS` `Python` `C++` `Vue`

LANGUAGES

Arabic (Native)
English (Fluent)

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)

COLLEGE PROJECTS I'M PROUD OF

An AI agent that can play Pocket Tanks on its own ⌨
`Python` `OpenCV` `Keras`

A simplified version of the famous Pocket Tanks game with Python ⌨
`Python` `OpenGL`

A simple accounting web application ⌨
`React` `Firebase`

A Python socket programming-based server-client chat room ⌨
`Python`