Ahmed Habeila

Software Engineer

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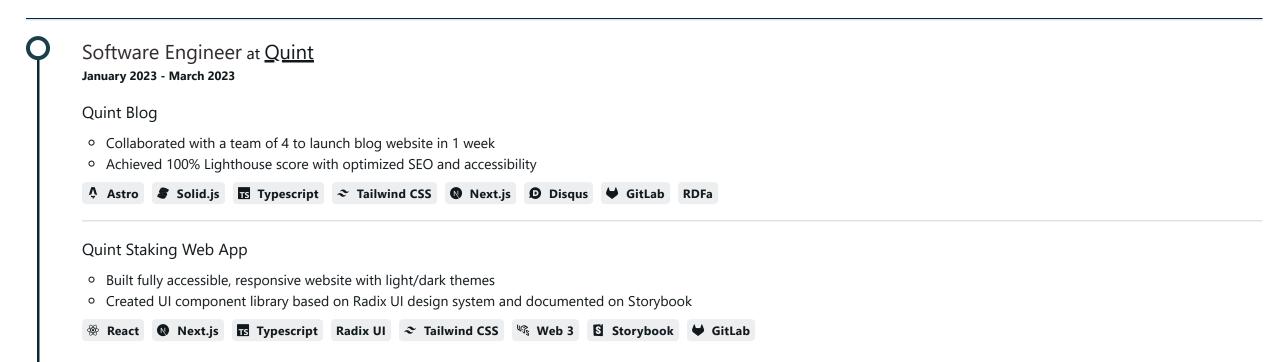
. (647) 979-0872

Portfolio **in** <u>LinkedIn</u> Github

SUMMARY

Highly motivated software engineer with 5 years of professional experience as a web developer with flexibility to work on any stack. Strong understanding of React, Typescript and web development fundamentals.

WORK EXPERIENCE



Software Engineer at Calqulate

November 2020 - January 2023

<u>Calqulate</u>

- Led team of 4 front-end developers to create and maintain features and set clear design system standards
- Developed front-end monorepo architecture with 2 apps and 5 independent libraries
- Developed a proprietary charts library using D3.js with 10 different types of charts with animations, interactive tooltips, legends and placeholders with randomly generated data
- o Built performant editable tree tables with fixed columns, virtual sticky headers, and advanced styles
- o Built time selectors and filters that follow a global state design pattern and sync with the URL
- Integrated Stripe for subscription payments
- Developed proprietary types SDK for API type safety



Software Engineer at Coformatique

May 2020 - November 2020

BMW Foundation and TwentyThirty

- o Launched two responsive websites with keyboard navigation and screen reader support
- o Created accessibility menu with high contrast mode, dyslexia-friendly font, and animations toggle
- Integrated Google Tag Manager and followed SEO best practices



Educational platform

- o Built back-end API with Express.js and Firebase for authentication, file uploads, emails, and database queries
- o Integrated Zoom for automatic meeting link creation and email sending to students
- o Built admin dashboard for lecture management and grade emailing to parents
- Firebase ex Express.js TypeScript Sendgrid ex React Material UI ss JSS Formik Yup com API

Software Engineer at Haya Solutions Inc.

May 2018 - May 2020

Netjeek

- Conducted system analysis to define APIs with possible responses
- Designed and implemented eCommerce website for international customers
- Integrated Google Maps for delivery location pinpointing and detection
- Integrated Stripe for shipment payments
- Created mock API with configurable front end for each endpoint status code



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 with middleware support and connect it to the desired database in C++

© 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)