

ABOUT

I am a senior software engineer with 4 years of experience. My work extends from system design and analysis to complete implementation, but front-end web development is where my passion truly lies working with React, Vue and Solid.js.

WORK EXPERIENCE

Full-stack Web Developer

Self-employed

Projects:

Portfolio website: This portfolio website is built with Solid.js and a lot of love.

Technologies used

Solid.js Astro Parallax effect TypeScript Sass Styled components

Front-end Web Developer

November 2020 - January 2023

Calculate

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:

Calculate: 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 responsibility in this project is to create and maintain different libraries in a monorepo for tables, charts and reusable UI components

Technologies used

React TypeScript Material UI Sass Styled components react-hook-form Zod D3 Hasura Stripe Payment Gateway GraphQL Auth0 Turborepo Sentry

What I worked on

Front-end Web App

Full-stack Web Developer

May 2020 - November 2020

Coformatique

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:

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.

Technologies used

React Gatsby TypeScript Material UI Responsive Design JSS Axios

What I worked on

Website (front-end)

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 and multi-language routing

Technologies used

React Gatsby TypeScript Material UI JSS Multi-language Routing Responsive Design i18Next Axios

What I worked on

Website (front-end)

Educational platform: 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.

Technologies used

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

What I worked on

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

Full-stack Web Developer

May 2019 - May 2020

Haya Solutions Inc.

Projects:

Netjeek: 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

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

What I worked on

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

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 Solid JS

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)

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