

Ahmed Mohammed Amer

Fullstack developer with 3+ years of experience in React, NextJS, NodeJS, Express, Postgres, MongoDB and TRPC

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Objective

With 3+ years of experience, I am Seeking a challenging full-stack developer role in a dynamic organization where my extensive experience in crafting scalable web applications and proficiency in modern technologies such as React, Node.js, PostgreSQL and MongoDB can contribute to delivering innovative software solutions.

Relevant Skills

- | | | | | |
|--------------|------------|--------------------|-----------------|--------------|
| - TypeScript | - React | - Next Js | - Node JS | - Express JS |
| - Postgres | - Tailwind | - MUI | - Redux/Toolkit | - Jotai |
| - HTML | - CSS | - MERN Stack | - MongoDB | - GIT |
| - GITLAB | - GITHUB | - JIRA | - JavaScript | - Supabase |
| - TRPC | - Docker | - Google Cloud Run | | |

Experience

Arabian Systems

Cairo (Onsite)

Frontend Engineer

Dec 2024 - Current

- Developed a real-time shipment tracking application using **Next.js 15** and **TypeScript**, enabling users to monitor live delivery
- Leveraged **Google Maps API** to visualize live location updates and optimize map rendering performance
- Architected **state management** using **Context API** to batch location updates and minimize Google Maps API requests
- Implemented **server-side rendering (SSR)** in Next.js to reduce initial load time and improve SEO performance
- Help maintain **Emanates Auctions** website with collaborative team of 7 developers
- Communicated with UI and QC teams for bug fixes and feature updates, using **Jira** for task management and bug tracking

FPL Champ

Cairo (Remote)

FullStack Engineer

Jan 2024 - Apr 2025

- Built full-stack app with **250+ components**, engineered **responsive UIs** using **MUI**, and **Emotion CSS** delivering seamless UX
- Architected **RESTful APIs** with **70+ endpoints** using **Express.js**, implementing JWT authentication
- Designed **database schemas** and managed connections for both **MongoDB** and **PostgreSQL** databases
- Slashed data loading times via **React Query** by caching/validation implementation
- Reduced rerenders by using **Jotai** state management + **URL-persisted state**
- Secured app with **Supabase Auth** + **PostgreSQL RLS** policies for granular access control
- Optimized **MongoDB** databases handling **13M+ documents** in dev/production environments
- Boosted search efficiency **3.5x** using **MongoDB Atlas Search** for complex queries
- Deployed on **Google Cloud Run** for auto-scaling, **cost efficiency** and high performance, managed assets via **Google Cloud**
- Enabled real-time collaboration through **Google Meet** and **Notion** documentation

MoVision

Germany (Remote)

FullStack Engineer

Contract

- Designed and implemented a **Drag and Drop** Email Builder component using native APIs.
- Created **customizable style forms** for each component to enhance user customization.
- Developed **editable text fields** for email headers, paragraphs, buttons, etc.
- Successfully migrated code base to **Vite** reducing build time by 50%
- Introduces **Prettier** and **ESLint** rules for code cleanliness and organization
- Utilized **Slack**, **Zoom**, and **ClickUp** for efficient communication and task management.
- Completed 95% of tasks ahead of schedule by effectively prioritizing and managing workload without direct supervision

TUV Austria

Sheikh Zayed

FullStack Engineer

June 2023 - March 2024

- Built **Next.js** frontend with **Tailwind CSS** serving 1,000+ users via **SSR/ISR**
- Developed **RESTful API** using **Django REST Framework** & **JWT auth**
- Designed **PostgreSQL schemas** and optimized queries for high-concurrency data operations
- Engineered **certificate validation system** with client-side checks in **Next.js** and secure verification via **Django API**
- Migrated WordPress to **Next.js** boosting performance improving SEO

Education

Ain Shams University
Bachelor Degree In Engineering

Cairo
2023

Graduation Project (Grade: A+)

Auto Attendance System

[Live Link](#)

- Implemented facial recognition using OpenFace for automatic student attendance.
- Created a React application with attendance tracking and user-friendly dashboards.
- Developed a FastAPI server with JWT-based authorization for user management and requests.
- Deployed React frontend on vercel.com and utilized Azure VM with Nginx for backend management.
- Designed a PostgreSQL database for storing student and course data, ensuring data integrity.

Projects

Careem Landing Page Clone

[Live Link](#)

I have created a clone of the Careem landing page. The landing page was responsive and mobile-friendly, and was built using the latest front-end technologies. I was able to create a landing page that was visually appealing and easy to use.

World Wide Recipe

[Live Link](#)

This website allows users to search for and view food recipes from a variety of sources. The website uses an API to access the recipes, which means that the recipes are always up-to-date. Users can filter the recipes by cuisine, ingredient, or dietary restriction.

Gradgen

[Live Link](#)

A web app that allows the user to enter the number of colors that they want and the angle of rotation they want the image to be then generate a random gradient with the given and allow the users to download the linear gradient as an image

Student Inc Landing Page

[Live Link](#)

I have successfully developed a landing page with an eye-catching design and user-friendly features for our Student Inc project. The landing page aims to promote our project and encourage visitors to learn more about what we do.

Covid-19 (Virus) Simulator

This project aims to simulate virus spread among a group of people in different zones. The zones limit the spread of the virus because of lower number of sick in each zone

News Summary App

News app that uses Next JS to utilize server side rendering that includes fetch the data and rendering the html page then pushing it to the client

Leadership

Student Representative

- Student Representative for 80 students where I help facilitate the communication between the teaching staff and the students and helped organize for multiple events

ASU Racing Team

- Media Team member with 100% project completion rate
- Render and design formula-1 Car and Design Banner, roll-up and Social media posts

Fullstack Skills

- **Full-stack proficiency:** JavaScript/TypeScript, Python, React, Next.js, Express, FastAPI
- **Database expertise:** PostgreSQL, MongoDB, MySQL with ORMs (SQLAlchemy, Mongoose) and schema design
- **RESTful API development** for web applications with authentication and security best practices
- **Modern styling:** Tailwind CSS, Material UI, CSS Modules, SCSS
- **DevOps skills:** Unix/Linux, Git, Supabase, Firebase, and cloud deployment
- Proven ability to lead projects independently and collaborate effectively in **remote Agile teams**
- Strong documentation, communication, and OOP principles