

# Abdelrahman Ahmed

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## Skills

**Front-End:** Next.js, React, Angular, Redux, GraphQL, TypeScript, Zustand, Tailwind CSS, Bootstrap, HTML5, CSS3

**Back-End:** Node.js, Bun, Express.js, Python, Django, Django REST, MongoDB, MySQL, PostgreSQL, AWS S3, Postman

## Experience

**Full Stack Software Developer**, [HomeAmie](#) – Toronto, ON

January 2024 – Present

An integrated sales and transactions platform for new home developments, connecting developers with potential buyers.

Streamlining sales tracking and inventory management, while providing users easy access to reserve and purchase units.

- Played a key role in the successful launch of the Minimum Viable Product (MVP) by actively participating in weekly progress meetings, offering valuable insights, feedback, and strategic direction.
- Engineered robust search functionality with advanced filtering capabilities using Algolia and implemented UI components with Algolia React-InstantSearch for seamless search, sort, and filter functionalities.
- Developed front-end and back-end solutions for efficient unit data management and seamless user interactions, including creation of a dynamic inventory page for real-time updates on availability status (available, reserved, or sold). Implemented Jest for rigorous unit testing to ensure system reliability.
- Utilized modern tech stack including Next.js, React, TypeScript, GraphQL, Prisma, and Supabase.

## Projects

### SocialPy

[github.com/AbdelrahmanAhmed605/socialPy](https://github.com/AbdelrahmanAhmed605/socialPy)

An instagram-like social media platform with user profiles, media sharing, real-time features, and messaging capabilities.

- Developed RESTful API endpoints using Django REST framework, including user authentication, profiles, posts, interactions.
- Utilized Amazon S3 for efficient media storage, configuring buckets and CORS policies for seamless image uploads.
- Employed Angular services and RxJS operators for streamlines API interactions and data stream handling.
- Utilized Redux (NgRx) for robust state management, creating an app store with reducers, actions, effects, and selectors.

### MERN E-Commerce

[abeds-mern-e-commerce](#)

An E-Commerce platform built using the MERN stack, delivering a seamless shopping experience with diverse product offerings and secure payment processing.

- Used Node.js, Express.js, and Apollo Server Express to implement robust backend, connecting to GraphQL for optimized CRUD operations and efficient frontend-backend communication with MongoDB.
- Implemented real-time product updates using React poll intervals for dynamic notifications and product stock accuracy.
- Created a product filtering system to refine search results by price, ratings, and category.
- Applied React properties (queries, mutations, useEffects) for seamless shopping cart synchronization across components.

## Education

**University of Toronto** – Certification in Full Stack Web Development Boot Camp

December 2022 - June 2023

**University of British Columbia** – BAsC in Mechanical Engineering

September 2018 - May 2022

## Certifications

**Educative IO** – Kubernetes Essentials

December 2023 - January 2024

**Educative IO** – The Beginners Guide to Docker

December 2023

**Coursera** – IBM Full Stack Software Developer Professional Certificate

October 2023 - December 2023

**LinkedIn Learning** – Become a Full Stack Web Developer Certificate

October 2023 - December 2023

**Coursera** – University of Michigan Python for Everybody Specialization

August 2022 - October 2022