Sarmad Afzal

Software Developer

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New York City, USA

Passionate and results-driven software developer with over 2 years of experience in full-stack web and mobile development and data analysis in both academic and professional settings. Seeking a challenging and mentorship-driven role to expand skill set and deliver scalable and responsive software solutions. Committed to staying up-to-date with the latest developments in the field to deliver optimal results in dynamic and evolving industries.

EDUCATION

B.A. Computer Science, Minor in Mathematics
Hunter College
09/2018 - 05/2023

STEM+ Double Discovery Center
Columbia University
09/2015 - 05/2018

Academy of Engineering
A. Philip Randolph Campus High School
09/2014 - 05/2018

WORK EXPERIENCE

Marketing Developer
Atlantis Management Group

07/2021 - 03/2023 — *New York*
Property Management Company dealing in gasoline service station development, motor fuel distribution, and brokerage servicing.

Tasks
- Spearheaded the development of Python scripts and utilized Flask to automate data extraction processes, enabling daily acquisition of accurate and up-to-date metrics.
- Employed PSQL database management techniques to aggregate and manage large data sets, and streamlined data funneling procedures through custom-built APIs, resulting in significant improvements in efficiency and productivity.
- Demonstrated advanced proficiency in Typescript, React, React Native, and AWS to optimize the user interface and experience across web and mobile platforms. Achieved improved user engagement, heightened customer satisfaction, and positive impacts on key business metrics by leveraging cutting-edge technologies and implementing a comprehensive approach to UI/UX optimization.
- Conducted in-depth research and analysis of ASO/SEO trends, marketing strategies, and application performance using Google Analytics and A/B testing. Generated comprehensive reports to present to company management, providing actionable insights and recommendations for optimizing product performance in highly competitive markets. Successfully implemented targeted ad campaigns and UI redesigns to drive positive results.

Server
La Marina

01/2018 - 08/2018 — *348 Dyckman St, New York, NY 10034*
Upscale restaurant located along the Hudson River in uptown Manhattan

Tasks
- Provided attentive service to diners, ensuring tables were clean and set for the next service. Facilitated efficient operations by bringing plates, utensils, and drinkware to the kitchen to be washed and maintaining full water glasses for guests.

SKILLS

Javascript (Node JS, React JS, React Native) · Typescript · HTML5 · CSS · Python (Django/Flask) · MYSQL/ PSQL · AWS · MongoDB · Unix · Git · Microsoft Office

PROJECTS

ReciPy (12/2022)
- Developed a mobile meal-generating application using Python, Typescript, React Native, and AWS, among other technologies. Leveraged API and web-scraped data to deliver personalized meal recommendations based on user preferences, dietary restrictions, allergies, and caloric boundaries.
- Integrated barcode scanning functionality to digitally manage a user's pantry and generate personalized recipes. Enhanced the system with expiration tracking and push notifications to improve food waste reduction and user experience.
- Implemented K-means clustering-based recommender system enabling users to easily explore similar options.
- Added a social component, managed through AWS Amplify & S3, to allow users to interact with each other and post content on a compiled user feed.

Covid-19 Data Visualizer (10/2022)
- Built web application utilizing HTML, CSS, R Shiny, and ggplot2 to provide global insights on various aspects of the Covid-19 pandemic through interactive visualizations.

DCA Investment Projector (10/2022)
- Developed a dollar cost averaging calculator using Swift and UIkit, allowing users to search for stocks using an API service and calculate projected earnings based on initial investment, monthly adjusted investment, and initial date of investment.

Employee Management System (09/2022)
- Designed and built a RESTful full-stack web application using Node, Express, React, Redux, PostgreSQL, and Sequelize to manage tasks and employees, utilizing all CRUD operations. Implemented two separate repositories for the server and client, ensuring modularity and separation of concerns.
- Successfully designed and deployed user stories for CRUD operations, user interface with real-time error messages, models with many-to-many relationships, routes with handler functions, state management with Redux, and client-side routing with React-Router.

INTERESTS

Exploring possibilities of Deep Learning and Tensorflow, utilizing hands-on experimentation to gain deeper understandings of these cutting-edge technologies.

Building user-facing applications for development practice

Learning applications of Machine learning in React Native