Newport News, VA
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Ridwan Alam

LinkedIn
GitHub
Portfolio Website

Skills

Programming Languages: Python, JavaScript, TypeScript, HTML, CSS
Frameworks: Flask, React, React Native, Node.js
Databases: SQL, PostgreSQL
Other Platforms: Heroku, Netlify, Expo, GitHub
Design: Adobe Premiere Pro & Photoshop
Languages: Fluent English, Fluent Bangla, and Proficient Spanish

Projects

Zymptom   **Live**   **Demo**   **GitHub**
TypeScript, React Native, Expo

- Built mobile and web apps during Hack Quarantine 2020 with engineers and designers to help prevent another pandemic
- Incentivizes users to upload daily symptoms to help spread awareness of potential viruses in the area
- Built UI Mobile Interface using React Native and Expo SDK

ThisIsRid Stock Trader   **Live**   **Demo**   **GitHub**
Python, HTML, CSS, Flask, API, PostgreSQL, Heroku

- Deployed web application on Heroku that allows users to buy and sell stock based on API pricing data from IEXCloud
- Allows user to request quote, buy and sell stock, and records history of transactions on PostgreSQL hosted on Heroku
- Displays user's stocks based on shares and price, total investments and remaining cash on users' homepage

DesiMom   **Live**   **Demo**   **GitHub**
JavaScript, React, React-Router, Netlify

- E-Commerce business website built to increase revenue for online-cooking business
- Built with React Router and allows users to explore menu and place orders on external online order form

Cryptocurrency Trading Bot   **GitHub**
Node.js, WebSocket, API
- Trading bot connected to Coinbase Pro API and utilizes WebSocket to retrieve real-time cryptocurrency pricing data
- Trades based on different strategies such as MACD (Moving Average Convergence Divergence) and RSI

Professional Sales and Engineering Experience

Bright Power   April 2019 – August 2019
Account Manager   New York, NY
- Generated $1,000,000+ in new solar and energy business for 40+ affordable housing clients in New York City
- Created proposals with energy efficiency and solar consulting services ensuring multifamily buildings achieved CO_2 reduction
- Developed financing options via LIHTC (Low-Income Housing Tax Credit) from New York state and city agencies

Solar Landscape   October 2018 – March 2019
Commercial Project Developer   New York, NY
- Managed 54.4 Megawatt commercial and industrial pipeline for rooftop, ground mount, and carport solar PV solutions
- Prospected 100+ customer projects ranging from 100 kW to 1.5 MW for direct purchase or Power Purchase Agreement (PPA)
- Educated customers on Federal Tax Credit and State incentives such as SRECs to decrease project cost and payback

Aramark   October 2017 – April 2018
Energy Manager   New York, NY
- Conducted energy study at Queen's College (CUNY) ensuring its compliance with New York City Local Law 87
- Tested temperature, air flow, static pressure and motor performance for over 13 Air Handling units
- Built Excel macros to increase data analysis efficiency by 98%

Ingersoll Rand   July 2012 – August 2016
Energy Engineer   Chicago, IL & San Diego, CA
- Conducted 180+ energy studies in USA, Canada, and Mexico saving $2.5 million in total energy with average savings of 29%
- Developed $1.5 million in revenue in new territories and $2 million in current territories
- Achieved highest accreditation as Air Master from US Department of Energy through in-person training sessions

Education

Virginia Tech   August 2008 - May 2012
Bachelor of Science - Industrial Engineering   Blacksburg, VA