Newport News, VA
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Ridwan Alam

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SKILLS

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

PROJECTS

Zymptom   **April 2020**
TypeScript, React Native, Expo   **Demo   GitHub**
- Built mobile and web application 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
- Designed UI Mobile Interface using React Native and Expo SDK

Cryptocurrency Trading Bot   **March 2020**
Node.js, WebSocket, API   **GitHub**
- 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

ThisIsRid Stock Trader   **December 2019**
Python, HTML, CSS, Flask, API, PostgreSQL, Heroku   **Live   GitHub**
- 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

Bright Power Proposal Generator   **July 2019**
XML, Macros, Microsoft Word   **GitHub**
- Developed custom UI ribbons in Microsoft Word using XML to increase proposal generation throughput by 50%
- Custom buttons activate macros that retrieve specific scopes of work from internal company server

PROFESSIONAL EXPERIENCE

Bright Power, New York, NY   **April 2019 - August 2019**
Account Manager
- 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, New York   **October 2018 – March 2019**
Commercial Project Developer
- 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, New York, NY   **October 2017 – April 2018**
Energy Manager
- 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, Chicago, IL & San Diego, CA   **July 2012 – August 2016**
Energy Engineer
- Conducted 180+ energy studies in USA, Canada and Mexico saving $2.5 million in total energy with an 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, Blacksburg, VA   **August 2008 – May 2012**
Bachelor of Science – Industrial Engineering