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# Ridwan Alam

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Portfolio Website: [RidwanAlam.com](#)

## 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

### Zyptom

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*

- 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<sub>2</sub> 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*