

Experience

February 2019 - April 2020: Education and Lenderful

- Continued biology and statistics classes
- Worked with Lenderful to scale new client onboarding during growth phase of company
- Refactored existing codebases to follow modern patterns and technology
- Created web server applications with TypeScript and AWS Serverless
- Used React.js, PHP, and Wordpress to create point of sale system for credit unions

December 2017 - February 2019: Software developer at Ideas By Nature LLC

- Worked to develop highly specialized and security focused ethereum smart contracts
- Designed and developed scalable blockchain APIs
- Collaborated with a multidisciplinary team to scope and build blockchain related products
- Worked with TypeScript to build out backend web services

March 2016 - December 2017: Software developer at BlueKeel LLC

- Responsible for full-stack development of both public and internal facing websites
- I designed and built systems that eliminated daily data-entry tasks using python
- Maintained and upgraded AWS-infrastructure providing greater stability at a lower price.
- Built complex web-apps in Node.js and MsSQL, scaling to 3+ million monthly users.

Oct 2013 - Sept 2016 : Founded Albark LLC

- Sold virtual in-game items to players and provided game server hosting
- Developed various automation and sales tools
- Was responsible for maintaining the 24/7 operation of business critical servers
- Lead sales with over 200 clients from around the globe
- Built a web-based system to easily install and configure servers

Side-Projects

Built a website dedicated to fraud prevention and digital trading

- Collected trader information using a variety of third-party APIs
- Utilized PostgreSQL to save/analyze more than 50,000 unstructured public trade offers
- Allowed viewing ban statuses in real-time, alerting users of fraudulent behavior

Created an in-browser system to sell digital goods based on fluctuating market prices

- Constructed databases with real-time market data on over 25,000 items
- Implemented data analysis techniques to determine optimal buy/sell prices
- Created a custom front-end UI to make data visualization more intuitive

Developed an inventory management system for market trading using Node.js

- Managed over 100,000 unique items per month
- Reduced maintenance time by over 20 hours per week
- Movement of inventory completely automated

Skills

Languages – Javascript/Node.js, TypeScript, Python, Solidity, Bash, SQL, Serverless, PHP, React

Tools – Git, NGINX, MS SQL server, Postgres, Linux, Mac, AWS, Vim, Docker, Ethereum, Wordpress