Dave Gagnat

Software Developer

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Enthusiastic and diligent trading professional with versatile experience in financial and software industry. Results-driven software developer with solid background and knowledge in designing, coding, deploying innovative software/applications solutions that deliver value in business. Strategic in managing risk with background in capital markets, economics, trading, order-flow, equities and currencies. Creative and adept at leading projects of web application/software along with high aptitude in comprehensively reviewing code. Instrumental in managing software development life cycle and providing breakthrough technologies in collaboration with key stakeholders. Excel in object-oriented programming languages and well-grounded in multiple programming languages, advanced algorithms, and data structures. Possess a deep desire to expand technological expertise. Self-directed and own entrepreneurial spirit with selling and financial modeling competencies. Excellent oral/written communication, interpersonal, and leadership skills.

Technical Proficiencies

Platforms:	Linux, Unix
Tools:	Java, JavaScript, Python, Ruby, Ruby on Rails, Rails 5, AJAX, CSS, HTML5, JQuery, APIs, Webpack, Git, Scripting Language, Docker, Nodemon, ActiveRecord, JSON, XML, Node.js
Databases:	PostgreSQL, MongoDB, SQL, MySQL
Libraries	React, Redux, FusionCharts, D3.js

Career Experience

Teza Technologies, Austin, Texas   **2022**
Junior Trading Developer Operations Engineer

Managed trading algorithms from an operational standpoint in terms of identifying bugs, errors, and contacted various departments in trading.

- Oversaw high frequency, equities, and futures quantitative trading strategies.

- Contacted brokers to facilitate and execute manual trades.

- Ran scripts using Linux command line tools which ran strategies, executed VWAP market orders and look at logs.

- Made simple commits updating keys, adding symbols to monitoring and basic errors.

- Used Anaconda in a production environment that utilized Python, Numpy and Pandas.

- Created workflow materials to help facilitate the learning process.

DispatchBot, Austin, Texas   **2021**
Junior Software Engineer

Presented strong analytical qualities and thoroughly analyzed applications to find and eliminate bugs. Provided definite support in all aspects of software development including designing and coding.

- Showed eagerness of learning and successfully built understanding of HTML, CSS, Ruby, Git, Docker, Linux.

Independent Projects, Austin, Texas   **2019 – 2020**
Web / Application / Software Developer

Implemented appropriate platforms and programming languages including JavaScript, Git, React/Redux, and Ruby to complete projects on time. Devised user-friendly and easy applications and systems.

- **Sticky Notes:** Efficiently arranged results of database queries by using Mongoose ORM. Utilized JWT library to encrypt user details for implementation of user Auth. Positively applied Git branching workflow strategy to competently analyze code and endorse change before integration with master branch.

  https://mern-starlight-insights.herokuapp.com/#/login

- **Godsend**: Accurately visualize data through FusionCharts library to deliver real-time stock price information. Displayed data in JSON format with consistent statistical accuracy by utilizing PostgreSQL and Rails 5. Effectively used IEX API and AJAX to obtain and streamline live financial data. Consistently compiled and updated financial information of securities to provide latest data.

  https://godsend-app.herokuapp.com/#/signin

- **Crypto Chart**: Professionally presented best 5 cryptocurrencies in a graph. Excellently developed a data visualization line chart through D3.js library and Vector Graphics to display large data sets in an understandable way. Created custom navigation bar to authorize users in selection of numerous data sets. Structured data by using JavaScript ES6.

  https://www.davegagnat.com/Crypto-Chart/

- **Insight**: Designed custom queries, removed n+1 queries, got necessary data by operating cache in conjunction with ActiveRecord. Installed bcrypt hashing function on backend and Rails-Routes on frontend to secure site data and stop storage of password. Successfully managed Amazon S3 cloud database to decrease server load by leveraging Rails Active Storage.

  https://insight-1st-clone.herokuapp.com/#/login

Kershner Trading Group, Austin, Texas   **2015 - 2016**
Discretionary Trader (Tech Focused)

Day started with preparation at 6:15 am, which included the following: Trade review, checklist of rules, checking commodities, composite index's of foreign markets, having a prep session with coach, building calculations using my own proprietary stock analysis in excel, and reading the tape.

- Built out excel sheet daily that comprised of stock lists and incorporated algorithms to determine beta and maximize profits.

- Traded imbalances, SPDRs, ETFs, equities, earnings, short interest stocks.

- Discussed trade ideas with class and floor traders.

Education

Bachelor of Computer Science in Software Engineering (In Pursuit)
Arizona State University - Ira A. Fulton School of Engineering, Online

Bachelor of Science in Finance, Entrepreneurship, and Emerging Enterprises and Minor in Economics
Syracuse University - Martin J. Whitman School of Management, Syracuse, New York

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Additional Experience

Professional Forex Trader - Audacity Capital

Licenses & Certifications

Securities Industry Essentials Exam - FINRA
Unix/Linux Command Line Certificate - Udemy
Algorithmic Trading & Stock Essentials Training - LinkedIn
Cryptocurrency Foundations - LinkedIn
Understanding Capital Markets - LinkedIn
Java SE 8 Programmer OCA Certification – Texas Workforce Commission

Courses

Intro To Programming, 4.0 - ASU
Critical Inquiry In Engineering, 4.0 - ASU
Full-Time Software Engineering Track, Bootcamp – App Academy

Affiliations

Phi Theta Kappa Honors Society – Member
Entrepreneurship Club – Member
Finance and Investment Club – Vice President