Patryk Kozłowski
Software Developer

EXPERIENCE

Financial Modeling Prep

Software Developer Mar, 2020 - Present

- Developed SEC parser algorithm that can parse all the important financial data within minutes reducing the average parsing time of the old algorithm from 30 minutes to around 4 minutes while maintaining high accuracy.
- Designed and developed multiple NLP algorithms for extracting specific data from any text.
- Optimized application responsible for updating over 100 thousand rows within seconds by implementing different algorithms which lead to reducing its execution time by around 20%.
- Created backend infrastructure in Node.js that included payments, file manipulations, user operations, and more. Handling over 60 thousand users daily.
- Redesigned the website and developed multiple new features for users like a dashboard for downloading generated invoices or managing their subscriptions.
- Developed internal applications for staff for an easier workflow that included many database operations from the frontend side.
- Integrated multiple third-party payment processing systems including PayPal.

MY PROJECTS

Learning Hub (React, Redux, Sass, Jest)

- Implemented CI/CD in a project using CircleCI tool for better workflow with unit tests.
- Designed and developed internal tool for creating lessons with full text formatting, code snippets and other decorations. It's handled on frontend side and then its inserted into NoSQL database from backend.
- Created system for time spent on each lesson for each user so they can see their lesson history. It was optimized for the least amount of writes to database using web workers.

Trader24 (React, Sass, Jest)

- Integrated Chart.js for better visualization of price movements which is essential for users and it also improved look the app.
- Wrote unit tests for UI elements, logic and also for user interactions like buying stocks by mocking API calls.
- Integrated third-party API for all the stocks data that is in the app.

SocialMe (React, Redux, Sass, Jest)

- Implemented Facebook and Instagram APIs so the user could authorize their account for either or both of them on the website that allowed the app to display their profile statistics gathered from the APIs.

A* visualization (Javascript)

- Implemented visualization of A* algorithm done with Binary Heap data structure.

SKILLS

Python | Javascript | HTML | SQL | CSS | Sass | React | Vue | CI/CD | MySQL | PostgreSQL | Jest | Redux | Unit Testing | AWS | Git | Node | SQLAlchemy | Firebase | Unix

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