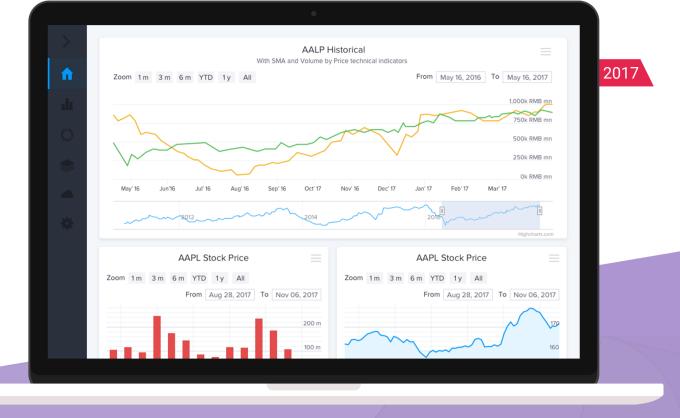


Rate Management System

A complex currency exchange rate management system that is used for tracking stock and currency rates in real-time with a smart notification system for efficient management of clients' orders. The interactive tool for stock data visualization provides searcp ing for new opportunities by analyzing and dynamic scanning of numerous markets.

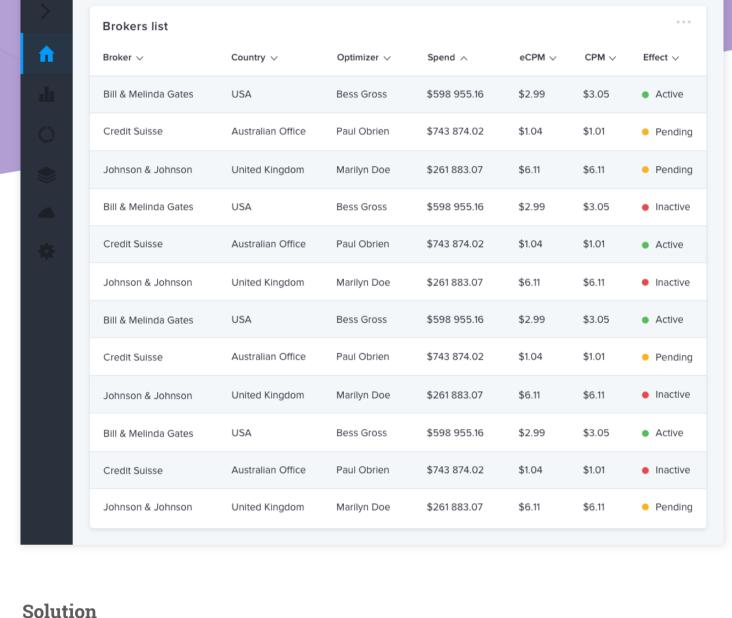


Onrush of information technologies has moved the stock markets closer to investors.

Business Challenge

Nowadays, everyone can find detailed financial data of listed companies online, usually for free. Online brokers have made the process of stock trading simpler and more inexpensive. However, you need not only to be aware of some of the market characteristics, but to be a master of robust and scaling trading solutions and apps to manage your investments effectively. Traders need sophisticated and comprehensive financial data visualization software to better analyze the market situation. The client requested to develop an interactive, complex, real-time stock rate management

system that allows users to implement accurate technical analysis and displays live market data on currencies, options, equities and futures in a web-browser. The main feature of the stock market data visualization app is to help traders to build an efficient trading strategy for future steps.



management system to allow users to trade in real time. The customer needed a solution for visualizing live complex market data. The system should handle constant traffic of large

users, WebSockets were used.

The frontend of the financial charting software was implemented using React. JS development. The backend of the system was built using Node.js and MySQL. To develop scaled and structured databases our programmers used mySQL, MongoDB and Redis. Bootstrap was used to create an attractive look of the rate management system and

other UI components. To implement real-time update and collaborative work of multiple

Our outsource web development company was asked to build a robust and scaling rate

financial data streams with a range of plugins to serve each individual purpose.

To structure and visualize a huge amount of data, our team used different libraries, such as WebSockets, Backbone.js, HighCharts library and React.js. The system provides the support for tablets and dozen types of data visualization styles: Line, Bar, Candlestick, OHLC and etc. The feature of implementation as a single-page application helped to operate with data promptly.

The financial charting software uses Apache Solr search platforms which make series fully indexed and capable of being computationally searched. The system facilitates fast data

search by any key-values in the indexed documents. The data are indexed by SolrJ.

PayPal technology was implemented to provide stable and secure payments for users of the app.

mongoDB BACKBONE.JS SOL

🖈 нісненаятл 🖪 Bootstrap 🄯 React 🥞 redis 🥊 PayPal

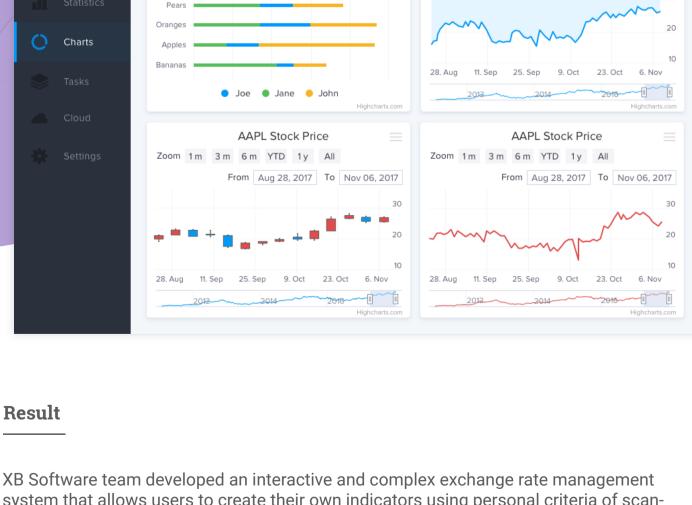
Applied Technologies



Browser market shares January, 2017 to May, 2017 AAPL Stock Price

From Aug 28, 2017 To Nov 06, 2017

Zoom 1m 3m 6m YTD 1y All



system that allows users to create their own indicators using personal criteria of scanning and ordering numerous statistical data and indexes in real time. The rate management system allows searching and scanning of predefined and custom conditions of the market.

for its clients.

A US investment company with headquarter in New-York. It provides multi-asset solutions

Customer