

Kirtan Patel

Greater New York Area

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Work Experience

Tradeweb

Jersey City, NJ

ASSISTANT VICE PRESIDENT | SOFTWARE ENGINEER

June 2021 – Present

- Creating new alerting UI for dealers to see incoming bond trades/actions from other dealers/traders use Angular.
- Utilizing GraphQL subscriptions to initialize and manage trade alerts for 1000+ dealers.
- Implementing and owning an admin service for the support team to diagnose and change user connections using Kafka and web-sockets.
- Improving existing history services to display more relevant data to traders, and implement data export feature.
- Mentoring interns by guiding them through their summer projects and having weekly check-ins.

Vanguard

Malvern, PA

DEVELOPER I

June 2020 – May 2021

- Rewrote legacy monolith application into micro service and micro front-end based application using Angular/NestJS.
- Improved user experience by introducing responsive animations and UX feedback to the app.
- Implemented custom dynamic form validations using RxJS Observable/Subjects.
- Enforced better coding practices by enabling strict mode on Typescript, adding linting rules, and introducing pull request template.

Button

New York, NY

IOS ENGINEERING INTERN

June 2019 – August 2019

- Assisted partners by creating an iOS app using SwiftUI and Button's API to showcase the best way to implement Button's products into their own products.
- Updated Button's iOS merchant library to provide partners an easier way to report customers' orders to Button.
- Created an iOS and an Android app that used Button's API using a single code base written in Kotlin Native at company hackathon.

Education

Rutgers University

New Brunswick, NJ

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

September 2016 - May 2020

- Relevant Coursework: Data Structures; Algorithms; Systems Programming; Databases; Internet Technology; Software Methodology; Introduction to Artificial Intelligence; Introduction to Data Science

Personal Projects

Mangaupdates GraphQL API (github.com/kirtanp98/mangaupdates-graphql-api)

TYPESCRIPT | NODE.JS | NESTJS | REDIS | GRAPHQL | PUPPETEER | APOLLO

August 2021

- A GraphQL API that allows querying/searching on mangaupdates.com by scraping data using Puppeteer.
- Utilizes Redis to cache manga data and searches to speed up queries.
- Developers can use the GraphQL subscription to fetch new chapter updates via a RSS feed.

trackRU

IOS | SWIFT | SWIFTUI | FIREBASE | NODE.JS

September 2020

- Course tracker app made for Rutgers New Brunswick students.
- Notifies students whenever their tracked courses are open and allows users to search for courses.
- 200 daily active users | 1800 installs | 10,000 notifications sent so far.

Skills

Languages TypeScript, JavaScript, Python, Swift, Java

Technologies Git, Angular, Node.js, NestJS, Jest, Cypress, iOS, Firebase, Jira