

# Adam Kamboj

Full-Stack Software Engineer

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New York, NY

## Skills

**Python, JavaScript, TypeScript, React, Redux, Ruby, Ruby on Rails, Node.js, Express.js, Three.js, GraphQL, PostgreSQL, SQL, Redis, MongoDB, Git, Heroku, AWS, HTML, CSS**

## Projects

**Smartphone Car** | Three.js, Express, Socket.IO, DeviceMotionAPI, Heroku

[live site](#) | [github](#)

*Driving simulator* - Transforms your phone into a gyroscope-based game controller

- Modeled a 3D interactive raceway with ThreeJS, allowing users to experience an immersive simulation through highly-engaging visual effects
- Leveraged Socket.IO establishing a unique WebSocket connection between mobile device and computer to read/send real-time motion data, resulting in a more realistic controller interface

**Reddit Lite** | TypeScript, GraphQL, URQL, TypeORM, Redis, React, Next.js, Chakra-UI, Docker, DigitalOcean

[live site](#) | [github](#)

*Reddit Clone* - Full-stack single-page application where users can create, upvote, and downvote posts

- Created a GraphQL server using TypeScript with Type-GraphQL as the GraphQL schema to quickly and efficiently fetch data relations from the API
- Used URQL Client on the frontend to make query/mutation requests, cache data and perform server side rendering (SSR) reducing repetitive and agnostic tasks made to the GraphQL server
- Devised a method of cursor pagination using post creation dates as unique identifiers, achieving constant  $O(1)$  read times over conventional offset pagination's slower linear  $O(n)$  read times, meeting real-time data-centric expectations

**Strife** | Ruby on Rails, React, Redux, HTML5, CSS PostgreSQL, ActionCable, Heroku

[live site](#) | [github](#)

*Discord Clone* - Full-stack SPA giving users the ability to create servers, channels and DM's to chat live with other users

- Implemented Rails Action Cable and Redis creating an efficient and reliable live chat system
- Designed modals, dropdown menus, sidebars, and other UI elements using React and other frontend technologies delivering a modern, responsive user experience
- Utilized Redux to manage various UI components' states promoting flexibility in event handling

**Blockup** | Team Lead | MongoDB, Express, React, Node, Socket.IO, WebRTC, WebSpeech, AWS, Heroku

[live site](#) | [github](#)

*MERN Communication App* - A 2FA-enabled web app supporting text chat, voice chat, and video chat

- Directed a team of 3 engineers to meet all milestone deadlines while ensuring git workflow best practices
- Used Speakeasy.js to create Time-based One-Time Passwords (TOTP) to implement Two-Factor Authentication (2FA)

## Experience

**Managing Partner - Sales/Technical Recruiting** | KickStart Finder, Inc

July 2016 - January 2021

- Constructed an Applicant Tracking System with AirTable, significantly increasing efficiency and reducing data entry time
- Developed, drove, and executed comprehensive search strategies to recruit senior and niche candidates in limited candidate space increasing qualified candidate response rate 100%

**Community Development Leader/Web Developer** | Go Cashless, Inc (Thanks!)

June 2015 - July 2016

- Developed app landing page and blog with PHP/Laravel, adding Google Analytics and A/B testing design, significantly improving conversions from 5% to 15%
- Automated SMS marketing messages by engineering a program using Twilio's API and cron increasing user conversion rate by 10%

**Founder - iOS Developer** | AeJita, LLC (Jaunster)

April 2014 - May 2015

- Guided all phases of app and API development from concept to product releasing to the AppStore in 6 months
- Designed and created iOS App, Jaunster, with Objective-C and set up integrations with RESTful API
- Developed dynamic queuing mechanism to upload images and venue location using the Foursquare API

**Director of Operations** | Shiverick Imports

March 2012 - April 2014

- Managed IT, inventory, billing, payments, budgets, accounting, and staffing resulting in a 400bps improvement in net income margins for a mature business
- Reduced working capital needs using data analysis of product sales and inventory turn increasing profitability

## Education

**App Academy** - Highly selective web development program with a 3% acceptance rate.

April 2021

**CUNY Queens College** - BA of Applied Mathematics - PreMed Track

Spring 2010