# Adam Kamboj

**Full-Stack Software Engineer**

New York, NY

kamboj.adam@gmail.com | Portfolio | Linkedin | GitHub

## Skills

**JavaScript, React, Redux, Python, Ruby, Ruby on Rails, Node.js, Express.js, SQL, PostgreSQL, MongoDB, Git, Three.js, Heroku, TypeScript, GraphQL, Redis, 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 SocketIO to create a unique connection between mobile device and computer to send/receive 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 and define the schema directly using TypeScript
- Used URQL Client on the frontend to make query/mutation requests, cache data and perform server side rendering to reduce repetitive and agnostic tasks made to the GraphQL server
- Using the date a post was created as the unique identifier, I implemented cursor pagination (as opposed to offset pagination [O(n)]) to obtain accurate results and making it faster to read data [O(1)] for real-time data centric needs

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

*Discord Clone* - Full-stack SPA allowing users to create servers, channels and DM's to chat live with other users
- Implemented Rails Action Cable and Redis to create an efficient and reliable live chat system
- Designed modals, dropdown menus, sidebars, and other UI elements using React and other FE technologies to deliver a modern, responsive user experience
- Utilized Redux to manage various UI components' states to promote flexibility in event handling

**Blockup** | 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
- Managed 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
- Developed website and Applicant Tracking System with AirTable, significantly reducing data entry time
- Trained new employees on systems, search strategies, composing emails, vetting candidates, and other crucial functions

**Community Development Leader/Web Developer** | Go Cashless, Inc (Thanks!)              June 2015 - July 2016
- Developed website and blog with PHP/Laravel, adding Google Analytics and A/B testing design, significantly improving conversions from 5% to 15%
- Created a program using Twilio API and cron, automating SMS marketing messages to hundreds of prospective users with an average conversion of 10%

**Founder/iOS Developer** | Jaunster              April 2014 - May 2015
- Managed all phases of app and API development from concept to product and released in the AppStore in 6 months
- Developed and designed iOS app in Objective-C and implemented asynchronous requests from our RESTful API
- Strategized and analyzed guerilla social media marketing to drive organic user growth

**Director of Operations** | Shiverick Imports              April 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

## 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