

Adam Kamboj

Full-Stack Software Engineer

▷ kamboj.adam@gmail.com ▷ [Portfolio](#) ▷ [Linkedin](#) ▷ [GitHub](#)

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, Googling, Debugging

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, Inc 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