

NIKUL PATEL

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TECHNICAL PROJECTS

Redy - Restaurant Booking | [GitHub Link](#)

June 2022 - July 2022

- Created a mobile application that allows users to book restaurant reservations within a specified radius of their location as a member of a four person team. This is specifically for users that want to grab a quick bite and want to view if restaurants have any open tables nearby.
- Developed the application by using **React Native**, and received restaurant information from **Google Places API**. Utilized **Express** as the main core infrastructure for the back-end, and PostgreSQL as the database.
- Participated in daily standup with project manager, and implemented industry standard version control management using Git. Utilized **Trello** for organized task distribution amongst the team to allow for efficiency.
- Presented the use-case of our application to a cohort of 50+ classmates. Answered questions regarding technologies used, process of constructing the application from scratch, and any future features that can be implemented.

Messaging Application | [GitHub Link](#)

June 2022

- Constructed an instant messaging application as a member of a team of two. Users can interact with one another using instant messaging, and have the ability to create groups with other users.
- Utilized **React** to build the website, and worked with a Chat API called **Stream**. Incorporated **Twilio** to send notifications to a user's phone as an SMS when they received a message on the chat application.

StockX E-Commerce Website | [GitHub Link](#)

May 2022 - June 2022

- Built a **CRUD** (Create, Read, Update, Delete) eCommerce platform where customers can search through and purchase products with a team of 4. Users can select products and add it to a cart to checkout. Customers can manipulate quantities within the cart, and delete products.
- Implemented **React** as the base of our project, and used **Express** for the back-end of our project.

EDUCATION

Fullstack Academy Web Development Bootcamp

March 2022- July 2022

Software Engineering Certificate, Full-time, Full Stack Javascript Web Development Immersive

Rutgers University School of Engineering

New Brunswick, NJ

Bachelor of Science in Electrical & Computer Engineering

Graduated: May 2019

Relevant Coursework: Digital Logic Design, Digital Electronics, Computer Architecture, Program Methodology, Analytical Physics, Calculus, C++, MatLAB

TECHNICAL SKILLS

Proficient: Node, Javascript, React / Redux, React Native, Git, Github, Express, Sequelize, MySQL, PostgreSQL, Heroku, Netlify, RESTful APIs

Knowledgeable: HTML5, Cascading Style Sheets (CSS), Twilio, Stream, Trello

OTHER TECHNICAL EXPERIENCE

Jaros Baum & Bolles- Project Engineer - New York, NY

September 2021 - November 2021

- Designed fire alarm documents to satisfy National Fire Protection Association (NFPA) standards on the release of a newly structured ice rink in Midtown Manhattan. Utilized **AutoCAD** to construct documents that were reviewed and approved by NFPA.

December 2021 - March 2022

- Assisted in electrical and fire alarm submissions that were utilized in the construction of a newly built high rise building. Visited the site and surveyed to thoroughly provide my team with information necessary in different project phases.

AECOM - Electrical Engineer I - New York, NY

June 2017 - September 2021

- Designed one-line diagrams, conduit schedules, voltage drop and short circuit calculations, sized conduit pipes and wires, and layout drawings for each NYCT subway station. Increased efficiency by creating a master set in **AutoCAD** that consisted of every single application in the design process to help our team finish by the deadline within four months.
- Coordinated bi-weekly client meetings to analyze our submittals to establish a trusting relationship with the client.
- Implemented the use of **AGi32** to determine if our lighting design plans met the requirements of our client's foot-candles per room type requirement, then used **COMcheck** to meet the requirements set by **ASHRAE** standards.
- Created a **REVIT** sheet set that consisted of all electrical drawings, notes, and schedules. Generated layout drawings that pertained to power, lighting, and reflected ceiling plans. Consistently updated background changes from other traits such as mechanical, architectural, and electrical markups made from superiors through **Bluebeam software**.