

Johnson Kow

Software Engineer | Fullstack Developer

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Summary

Versatile fullstack developer with a passion for building applications and learning about programming. Experienced in using Javascript, Ruby on Rails, and React with a background in Mechanical Engineering.

Technical Projects

Study Beans - [Github](#) | [Demo](#)

Study Beans aims to be an online reservation service for cafes with workspace availability. This project was built on Ruby on Rails as a backend and React.js as my frontend.

- Accessed Google Places API for a google map and placed markers on top of the cafes location.
- Created a show page with seat availability that will update when reservations are made.
- Reservations are a 10 minute placeholder from real time.
- Search bar filters by the names of the cafes.

Picology - [Github](#) | [Demo](#)

Ecommerce marketplace for users to purchase products of their choosing. This project was built on Ruby on Rails as a backend with Javascript as my frontend.

- Users can add multiple products to their cart.
- Total price is updated as products are added for purchase.
- Quantity of a single product can be edited inside of the cart page or show page.
- Users can use the search bar or filter buttons to be more specific with their search.

Travel Rails - [Github](#) | [Demo](#)

In an effort to recreate the AirBnB experience, this app aims to let a user be a host or a guest that can post or reserve a housing. This project was built on Ruby on Rails.

- Homepage includes a list of all listings readily available for users to browse and reserve.
- Validated that users cannot have the same checkin and checkout dates as other users.
- Users can also be hosts and can post their listings for others to reserve.

Employment History

Echem Consultants LLC, Poughkeepsie, NY

A global consulting firm within the material durability field with an emphasis on corrosion mitigation technology.

Project Engineer/ Project Manager, 05/2019 - 12/2019

- Managed a team of field engineers and provided construction administration for the service life analysis of the Brooklyn Queens Expressway.
- Assisted with 3D modeling of bridge structure to produce maps of critical areas suffering from major corrosion loss or high levels of moisture using Surfer software.
- Aided Project Manager in cathodic protection installation for the Tribune Tower in Chicago, IL to increase service life while mitigating corrosion loss found within buttresses.

Education

Flatiron School - New York, NY - 02/2020 - 6/2020

- Immersive 15 week software engineering program in Javascript, React.js, and Ruby on Rails backend.

Syracuse University- Syracuse, NY - 08/2013 - 5/2018

- Bachelors of Science in Mechanical Engineering
- Relevant Courses: Intro to Engineering and Computer Science, Calculus I/II/III, Engineering Computational Tools, Differential Equations and Matrix Algebra for Engineers, and Control Systems for Mechanical Engineers.

Certifications

AWS Cloud Practitioner - Earners of this certification have a fundamental understanding of IT services and their uses in the AWS Cloud. They demonstrated cloud fluency and foundational AWS knowledge.

