

# Anam Soomro, E.I.T.

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[Portfolio](#) | [LinkedIn](#) | [Github](#) | [Medium](#) | [YouTube](#)

## SUMMARY

Software engineer with hands-on experience building full-stack applications and a background in fast-paced, cross-functional environments. Through a history of roles in the architecture, engineering, and construction industry, I have demonstrated versatility and agility offering a unique perspective to troubleshoot issues, boost collaboration and enhance team efforts.

## TECHNOLOGY

**Languages:** Ruby, JavaScript, HTML, CSS, SQL

**Tools:** Ruby-on-Rails, React, React-Router, Redux, Bootstrap, Material Design, Sinatra, Git

**Skills:** ORM, MVC, AJAX, REST APIs, Object-Oriented Programming, Functional Programming

**CAD:** AutoCAD, Google Sketchup, Synchro, Trace 700, eQUEST, Sefaira, Revit

## PROJECTS

### Moneymoon

[Demo](#) | [Code](#)

*Personal finance tracking application for couples to track their financial health, spending habits and overall trends*

- Integrated Plaid's API to authenticate users' bank credentials and exchange access tokens to retrieve financial information
- Utilized Redux to store and manipulate data on the client side, avoiding multiple server calls, and creating smooth navigation
- Implemented Chart.js to provide interactive data visualizations in a clean, digestible format for users
- Developed backend with Ruby on Rails and frontend with JavaScript using React and Redux to create a light, compelling UI

### PictureShuffle

[Demo](#) | [Code](#)

*Interactive single page application where users can select an image to shuffle and then race the clock to unscramble it*

- Implemented modular code to create clear and efficient game loop design sequencing patterns for new and stored games
- Deconstructed images to CSS classes to efficiently display, manipulate and persist board layout to the database
- Developed with Ruby on Rails and vanilla JavaScript allowing for interaction without page refresh to enhance user experience

### CaptionIt!

[Demo](#) | [Code](#)

*Social media platform for users to upload images or caption other users' images to compete for wittiest content*

- Encrypted user's credentials and used token-based authorization to ensure validated access to the application and server
- Utilized session cookies to enable client-side memory allocation for conditional rendering and navigation specific to the user
- Developed full-stack application in Ruby using Sinatra for the server and enumerated ruby with HTML and CSS for the frontend

## EXPERIENCE

### Full Stack Developer – Flatiron School

January 2020 – May 2020

- Created full-stack applications fostering team collaboration, creativity, and diligence in independent exploration and learning
- Utilized version tracking through GitHub between multiple developers to ensure progress without jeopardizing working product
- Completed team projects with one-week turnarounds by assigning build priority and responsibility based off MVP structure

### Project Engineer – The Beck Group

May 2018 – January 2020

- Corresponded between multidisciplinary teams for the procurement and installation of materials at AT&T HQ's 4.5-acre plaza
- Led project team in the compliance and documentation for AT&T's goals of Sustainable Sites Initiative Silver Certification
- Bolstered communication across 10+ trades through implementing lean construction tools to meet turnover deadlines

### Sustainability Consultant – The Beck Group

- Promoted sustainable design by reviewing designs for resource consumption, healthy building materials and daylight access
- Consulted architecture design teams across 7 offices on 35+ projects to achieve intermediary 2030 sustainability targets
- Engaged in projects from conceptual design to construction issuance to ensure continuous integration of sustainability goals

### Energy Modeler – alliantgroup, LP

June 2016 – February 2018

- Executed detailed analysis of building envelope, mechanical and lighting systems to create accurate, defensible energy studies
- Modeled 25M sq. ft. while maintaining a high caliber of detail and quality through comprehensive documentation, QA and QC
- Collaborated with teams of engineers, project managers, lawyers to qualify \$11M in tax deductions for AEC clients

## EDUCATION

Flatiron School – Software Engineering

May 2020

University of Houston – Bachelor of Science in Civil and Environmental Engineering

May 2016