

Anam Soomro, E.I.T.

anamsoomroed@gmail.com | 713-315-1077

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

SUMMARY

Software developer with an engineering background and experience in fast-paced, multi-disciplinary environments. Skilled in developing full-stack applications in Ruby and JavaScript based frameworks. Through a history of positions in the Architecture, Engineering and Construction Industry, each with varying purposes and project lifecycle phases, I have demonstrated agility and versatility promoting team productivity.

TECHNOLOGY

Languages: Ruby, JavaScript, HTML, CSS, SQL

Frameworks: Ruby-on-Rails, React, React-Router, Redux, Bootstrap, Materialize, Sinatra

Tools: Git, Chart.js, bcrypt, JWT, AutoCAD, Synchro, Google Sketchup, 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

- Ensured user's financial security through API key authentication and secure tokens unique to users and banking institutions
- Utilized Plaid API to authenticate users' bank credentials and web scrape information regarding their accounts and transactions
- Implemented Chart.js to provide responsive representations of data in an easily digestible format for users to interact with
- Developed backend with Ruby on Rails and frontend with JavaScript using React and Redux to create a light and interactive interface

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
- Created algorithms for randomly shuffling boards as well as for persisting and retrieving game boards layouts from the database
- Developed with Ruby on Rails and vanilla JavaScript allowing for complete 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 playfully compete for the funniest

- Encrypted user's credentials and developed a token-based authorization flow 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 current user
- Developed full stack application in Ruby using Sinatra for the server side and enumerated ruby with HTML and CSS for the frontend

EXPERIENCE

Full Stack Developer – Flatiron School

January 2020 – May 2020

- Created full-stack applications evolving from the command line, to static pages, to dynamic, to asynchronously rendered pages
- Employed efficient version tracking utilizing git between multiple developers to ensure progress without jeopardizing working product
- Completed team projects with tight turnarounds by defining build priority and responsibility through defined MVP and stretch goals

Project Engineer – The Beck Group

March 2019 – January 2020

- Led construction, design and owner teams in compliance and documentation of sustainability for building code and SITES certification
- Processed inquiries between multidisciplinary teams of designers and contractors for the procurement and installation of materials
- Bolstered trade communication to meet deadline through implementing The Last Planner System from the Lean Construction Institute

Sustainability Consultant – The Beck Group

May 2018 – March 2019

- Analyzed building designs for energy consumption, daylighting, renewable energy, water consumption and healthy building materials
- Consulted architecture design teams on incorporating sustainable design as well as document projects for green building certifications
- Performed data analysis on post-occupancy readings and created a detailed report as a pilot project for potential expansion of services

Energy Modeler – alliantgroup, LP

June 2016 – February 2018

- Executed detailed analysis of building envelope, mechanical and lighting systems per construction documents and field reports
- Modeled building conditions to simulate energy performance of commercial, academic, aviation, healthcare, and residential buildings
- Worked on teams of engineers, project managers, lawyers to provide accurate and defensible studies for clients in the AEC industry

Civil Engineering Intern – A & S Engineers, Inc.

May 2015 – December 2015

- Engaged with the design team in the preliminary design, rehab and construction of water distribution plants and systems
- Supported the construction administration team with coordination of contracts, pay applications and requests for information
- Reviewed the companies' library of specifications for clarity and consistency to minimize future ambiguity in contractual obligations

EDUCATION

Flatiron School – Software Engineering Program

May 2020

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

May 2016