Anam Soomro, E.I.T.

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SUMMARY

Software developer with an engineering background and experience in fast-paced, cross-functional environments. Skilled in developing full-stack applications using Ruby and JavaScript based frameworks. 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, Materialize, Sinatra, Git, bcrypt, JWT, Chart.js

Skills: MVC, REST, APIs, Object Oriented Programming, Functional Programming

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

EDUCATION

Flatiron School – Software Engineering **May 2020**

University of Houston – Bachelor of Science in Civil and Environmental Engineering **May 2016**

PROJECTS

Moneymoon Demo | Code

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

- Utilized Plaid API to authenticate users' bank credentials and exchange access tokens to retrieve account and transaction data
- Extrapolated balances from monthly habits while allowing for adjustment of monthly contributions to see long-term effects
- Implemented Chart.js to provide responsive representations of data in an easy, 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 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
- 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 playfully compete for the funniest

- 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 **March 2019 – January 2020**

- Led construction, design and owner teams in the compliance and documentation of sustainability efforts onsite
- Corresponded between multidisciplinary teams of designers and contractors for the procurement and installation of materials
- Bolstered communication through applying The Last Planner System from the Lean Construction Institute to meet deadlines

Sustainability Consultant – The Beck Group **May 2018 – March 2019**

- Analyzed building designs for energy consumption, water consumption, use of healthy building materials and daylighting
- Consulted architecture design teams on incorporating sustainable design as best practice as well as for building certifications
- Performed data analysis on post-occupancy readings and created a detailed report as a pilot project

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, healthcare, and residential buildings
- Worked on teams of engineers, project managers, lawyers to provide accurate and defendable studies for clients