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LinkedIn | Github | Medium | YouTube

Summary

Full-stack developer with a strong background in analytical problem solving and a passion for building. Experienced in Ruby and JavaScript based frameworks with a history of roles in the Architecture, Engineering and Construction Industry. Having experience in diverse roles, fast-paced environments, and multidisciplinary teams I have demonstrated my agility and versatility equipping a team to do more with less.

Technology

Languages: Ruby, JavaScript, HTML, CSS, SQL
Frameworks: Ruby-on-Rails, React, Redux, Bootstrap, Materialize, Sinatra
Tools: Git, AutoCAD, Synchro, Google Sketchup, eQUEST, Trace 700, Insight 360, Sefaira, Revit

Projects

Moneymoon ⏵ </>
- Personal finance tracking application for couples to track their financial health, spending habits and overall trends
- Utilized Plaid API to securely retrieve users' banking data through API key authentication and secure tokens unique to users and banks
- Implemented Chart.js to provide responsive representations of collected 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 ⏵ </>
- 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
- Refined algorithm for randomly shuffling a board as well as for persisting and reading game boards layouts from the database
- Developed backend with Ruby on Rails and frontend with vanilla JavaScript to duplicate the look and feel of AJAX applications

CaptionIt! ⏵ </>
- Social media platform for users to upload images or caption other users' images to officially establish who is the funniest
- Authenticated users using bcrypt to encrypt user's credentials and JWT tokens for authorizing users in sessions
- Developed full stack Ruby application 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 pages, to asynchronously rendered pages
- Employed efficient version tracking between multiple developers to ensure progress without jeopardizing working product
- Completed team projects with tight deadlines by establishing 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
- Reviewed and processed submittals and requests for information between multidisciplinary teams of owners, design teams and trades
- Implemented The Last Planner System from the Lean Construction Institute in order for trades to effectively meet deadlines

Sustainability Consultant – The Beck Group   May 2018 – March 2019
- Performed analysis on building designs for energy consumption, daylighting, renewable energy and water consumption
- 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 as-built 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 defendable 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, 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