Joshua Holmes

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Full-Stack Software Engineer

Experienced in Ruby on Rails and JavaScript based front-end and back-end programming, with an emphasis in database design and building custom algorithms. Possess strong skills in team-building and project management that help small companies get the support they need to be successful.

Technical Skills

- JavaScript, Node.js, CSS, React, MUI, Redux, frontend routing, Ruby, Ruby on Rails, Python, backend routing, plain SQL, PostgreSQL, Docker, Git, Regex, algorithms, data structures, building/using RESTful APIs, JSON, YAML, VBA, jQuery, Windows, MacOS, and Linux
- Currently learning: Sass, Django

Technical Projects

Faker Word Maker - GitHub | Demo
Uses machine learning to generate hypothetical/made-up words in any language
- Built a custom machine learning algorithm to build words based on user input
- Implemented a RESTful API so developers can use this app in their own projects
- Designed a database to store new word generators and community-saved words

Mini Maestro - GitHub | Demo
Guides a user through writing their own musical composition, regardless of musical experience
- Built an algorithm using contrapuntal techniques to guide the user by limiting options when choosing a note
- Implemented a login system so the user can save their tunes

Docker RoR Template - GitHub
Streamlines the process of containerizing Ruby on Rails applications using Docker
- Composed detailed documentation outlining instructions and the process used
- Tailored settings to a Ruby on Rails app with a Postgres database to drive efficiency
- Wrote custom BASH scripts to automate much of the containerizing process

Past Experience

Director of Operations - Echelon Group (financial advisory firm), Boise, ID   06/2019 – 10/2021
- Direct report to president, managed and budgeted wide variety of internal projects
- Designed, refined, and automated high level process workflows using AgencyBloc CRM and created keystroke level procedural documentation
- Improved data integrity and cleaned large amounts of data using Python and Excel
- Designed, built, and implemented automated systems and databases, using Microsoft Access, Excel, Python, and other software
- Built commission processing database and data entry system in Access from scratch

Education

Flatiron School
- Certificate of Completion for Software Engineering Coding Bootcamp   02/2022

Boise State University
- Bachelor of Music Performance, minor in marketing   05/2019