Hamzah Contreras

Portfolio | GitHub | LinkedIn | Blog

Houston, TX
eng.hamzahc9@gmail.com
979-313-9551

Growth-minded software engineer who enjoys collaborating, debugging, and working on projects to bring apps to life.

SOFTWARE ENGINEERING TECHNICAL SKILLS

Front End	JavaScript, React, Redux, jQuery, HTML, CSS, Bootstrap
Back End	Ruby on Rails, Sinatra, ActiveRecord, Node.js, Express, PostgreSQL, MySQL, REST API
Testing/Tools	Mocha, AWS, Heroku, Git, Postman, Chrome-Dev-Tools, NPM, WebPack, Babel
Methodologies	Agile Methodologies, Object Oriented Programming, Test-Driven Development, MVC

SOFTWARE ENGINEERING TECHNICAL PROJECTS

Villa Property   Demo | GitHub
— A full-stack responsive web application that lets users easily browse properties by location.

- Implemented a React UI with a session-based login system to safely authenticate users.
- Provided a custom search feature that supports complex filters and pagination.
- Reverse engineered the Zillow.com API to scrape real data on a large scale.
- Designed a custom JSON API in Ruby on Rails and PostgreSQL to efficiently store data.

ChatApp   Demo | GitHub
— An interactive single-page application, that allows users to have one-on-one conversations.

- Employed Web-Sockets in Node.js to support real-time many-to-many communication.
- Implemented dynamic routes in React to switch between chats without page reloads.
- Utilized a data URI scheme to allow users to add custom profile pictures.
- Implemented a search feature to help users find past conversations.

Rotten Potato   Demo | GitHub
— A full-stack responsive web application review-aggregation website, resembling rottentomatoes.com

- Built in React around an API-based design that separates data and presentation layer.
- Utilized Ruby on Rails with ORM in ActiveRecord and SQLite for data storage.
- Reverse engineered the RottenTomatoes API to scrape real movie data on a large scale.
- Designed RESTful routes and custom JSON endpoints to persist custom movie reviews.

Interactive Coding Tutorial   Demo | GitHub
— A full-stack responsive web application that lets users can solve challenges to compete for a high score.

- Utilized a session-based login system to effectively manage connected users.
- Employed PostgreSQL in Ruby on Rails to safely store credentials.
- Included an interactive code editor in React to support syntax highlighting.
- Ensured safe code execution for users to test their submissions in the browser.

EXPERIENCE

Staff Accountant, Cerboni Consulting and Financial Service | Houston, TX   *September 2019 – November 2021*
- Performed day-to-day bookkeeping duties and regular bank reconciliations for 11 entities, to create P&L reports.
- Obtained data from POS software like Revel, Breadcrumbs, Toast, Square and Clover to match bank transactions.
- Processed sales report from 3rd party APIs like GrubHub etc. to accurately match with the bank's statement.

HR Administrator, City Services Consultancy | Dubai, UAE   *January 2015 – July 2019*
- Collected and inspected every document to process several candidates' resident visas, under time allowed by law.
- Resolved multiple inquiries in a timing manner, to cut by 70% random stops at the office from anxious employees.
- Prepared termination letters and resignations, according to UAE laws to avoid any penalties from Ministry of Labor.

EDUCATION

Flatiron School   **Houston, Texas**
Full Stack Web Development, Ruby on Rails and JavaScript program   *01/2022 - 04/2022*
San Jacinto College   **Pasadena, Texas**
Associate of Science in Engineering   *08/2019 - 06/2021*