Swathi Balasubramanyam

Software Engineer

Fremont, CA | 973-710-7555 | [Github](https://github.com/SwathiBalasubramanyam) | [LinkedIn](https://www.linkedin.com/in/swathi-balasubramanyam-4a4280124/) | [Portfolio](https://swathibalasubramanyam.github.io/portfolio/) | swathibalasubramanyam@gmail.com

**SKILLS Ruby, Rails, JavaScript, React, Redux, SQL/PostgreSQL, HTML, CSS, Git, MongoDB, Node.js, Mongoose, Python, Selenium, Appium, Django, Pytest, Mocha, ElasticSearch**

**EXPERIENCE**

**Uncommon/ Recruiter.ai (Palo Alto, California)** *Software Developer* March 2018 – September 2019

* Owned REST API server built using django, Mongodb. Created and maintained existing endpoints, debugged and fixed production issues, wrote multiple migrations, identified and fixed performance issues, designed and built multiple third party integrations, engineered a migration system using shell script.
* Contributed to the development of a search engine, built using ElasticSearch, provided insights on index design and optimization, and enhanced query performance.

**Uncommon/ Recruiter.ai (Palo Alto, California)** *Software Quality Engineer* August 2016 – February 2018

* Designed and implemented end-to-end test cases using Selenium, backend unit tests using django-test-client, Pytest and frontend test cases using Mocha to ensure the quality and reliability of the application. Performed manual testing for business scenarios.

**Infosys (Mysore, India)** *Manual Test Engineer ,* June 2011 – May 2013

* Conducted needs analysis with the business analyst/ client team and developed manual test cases based on requirements.
* Tested end-to-end workflow/business scenarios of the web application in order to ensure that the application meets all the business requirements and also identify any potential bugs and track using JIRA..
* Performed data warehouse testing using JCL(Job Control Language), shell scripts and SQL to make sure that data is reliable and that no information is lost during the transformation process.
* Implemented excel macros to automate manual test cases thus improving efficiency of the team.

**PROJECTS**

**ChatLog** (React, JavaScript, Ruby on Rails, Redux, HTML, CSS, PostgreSQL, Action Cable) [Live Site](https://chatlog.onrender.com/) **|** [Github](https://github.com/SwathiBalasubramanyam/chatlog)

*Fullstack clone of Slack with full user auth, ability to search members in a workspace and dm a member 4 CRUD features*

* Established role-based access control by registering pre-filter actions using the before\_action method, to control and manage access to endpoints according to the roles and responsibilities of individual users within the application.
* Leveraged ActiveRecord ORM associations to extract data quickly from multiple tables in a single query.
* Integrated Rails Action Cable, a websockets framework to create real time communication between users.
* Implemented an efficient channel system, using backend joins table to track a channel and users that are members to that channel, allowing for a channel to be either a publicly available or a direct message channel.

**RockyRoadTrip** (JavaScript, Redux, MongoDB, Express, Mongoose, HTML, CSS,, Git) [LiveSite](https://rocky-road-trip.onrender.com/) **|** [Github](https://github.com/Eric-Mai-25/RockyRoadTrip)

*MERN based full stack road trip planner.*

* Wrote custom middleware functions using express-validators to validate and sanitize incoming express requests.
* Utilized redux store to maintain the state of the application, react hooks to dynamically fetch and render data on the UI, react-router to turn the app into a single page application.

**JobTrends** (Vanilla JavaScript, HTML, CSS, chart.js) [LiveSite](https://swathibalasubramanyam.github.io/job-trends/) **|** [Github](https://github.com/SwathiBalasubramanyam/job-trends)

*A fully interactive vanilla javaScript based data visualization tool*

* Built a data visualization tool that searches, fetches and displays job postings based on user input.
* Wrote scripts to cleanse data, coming from an external dataset as csv files and transformed data into the desired format.

**EDUCATION**

**App Academy** **San Francisco, California**

*Curriculum of Study in Fullstack Web Development (Ruby on Rails and JavaScript)* July – October 2023

**Visvesvaraya Technological University, Belgaum - Bangalore Institute Of Technology Bangalore, India**

*Bachelor of Engineering in Instrumentation Technology* 2011