JOE PENA

Denver, CO
(720) 568-0205
joe@joepena.io

FULL-STACK ENGINEER

www.joepena.io
LinkedIn
Github

SKILLS

Languages: Javascript, Python, HTML5, CSS3, Typescript, Ruby, C#, Java.

Libraries/Frameworks: React.js, React Native, Redux, NodeJS, Express, Rails, Angular, Gatsby, Sass.

Others: NPM, Babel, RESTful APIs, AJAX, JSON, MongoDB, Atlas, Mongoose, Mocha & Chai, PostgreSQL, Knex, Passport, JWT, Travis CI, Heroku, Git, Github, Linux, AWS, Docker, Devise, Jekyll, Liquid, Shopify, Enzyme & Jest, GraphQL, Docker.

RECENT PROJECTS

Americas Funniest Videos: The one and only America's funniest videos.
- Wireframe and design new website for the show.
- Write thorough documentation for ease of maintainability.
- Develop front end with Gatsby and access ABC Network assets through the Reach Engine API.
- Maintain access to DatoCMS for easy content management.

Technologies used: Gatsby, React, Reach Engine, DatoCMS, GraphQL.

Buvie: Find new friends to watch movies with.
- Built wireframes for user interface and developed the front end with React and Styled Components, all with responsive design.
- Implemented a matching algorithm in the back end to match users to each other based on location and movie preferences.
- Created a mobile version of the app by using React Native.

Technologies used: React.js, React Native, Styled Components, Node.js, Express, Mongoose, MongoDB, WebSockets, and Google's Geolocation API.

CityMain: App to learn all the capital cities in the world.
- Developed the front end with React and CSS, and used particle-js to make the background alive with movement.
- Implemented a spaced repetition algorithm in the back end to ask questions based on user's strongest and weakest knowledge.

Technologies used: React.js, Node.js, Express, Mongoose, MongoDB, and powered with a spaced repetition algorithm.

MouseAI: An artificially intelligent mouse.
- Constructed a neural network with thirty hidden nodes by using Python 3.5.
- Used Deep Q Learning methods to have the AI learn from it's actions taken, and improve upon them.

Technologies used: Python 3.5, Pytorch, Tensorflow, and Kivy.

Stud Poker: Plays a simple hand of poker and calculates the value.
- Created a front end with React and CSS, with responsive design in mind.
- Imported and modified NPM libraries in order to be able to create a deck of cards and calculate the value of the hand given to the user.

Technologies used: React, Node.js, Express, Mongoose, and MongoDB.

Pet-Drop: App that shows dogs and cats up for adoption in the USA.
- Built a front end with React and CSS, with a mobile first approach in mind.
- Used Redux Thunk to create asynchronous fetch requests to the PetFinder API, which then get rendered for the user to see.

Technologies used: React.js, Node.js, Express, and powered using API calls to the petfinder API.

EXPERIENCE

Simuwatt – *Full Stack Web Developer*   *Sept 2019*-Present
- Maintain a production grade application, both front end (React) and back end (NodeJS).
- Wireframed, designed, and built a React Native application for clients to use.
- Follow a daily schedule of deployments to QA and production environments on AWS.
- Maintain updated integration tests for any new features built.
- Maintain a relationship with and help manage a group of offshore developers.

Eyes Open Studio– *Full Stack Web Developer*   *Dec 2018*-Present
- Created the new official website of America's Funniest Videos.
- Build various Web Applications based on client specifications.
- Work together with Business, marketing, and IT teams to communicate project features and timelines.
- Use technologies which complement existing languages and/or frameworks.

Bowtie, Denver– *Full Stack Web Developer*– *Contract*   *May 2019*-August 2019
- Build Web Applications based on client specifications.
- Work together with Business and IT teams to develop features based on user stories.
- Develop unit test for components built.
- Follow standard deployment measures by maintaining a staging to production flow.

Thinkful, Denver– *Programming Event Instructor*   *Sept 2018*-Present
- Host events and meetups for developers and those with an interest in code.
- Events range from HTML, CSS, Javascript, Python, to Computer Science and Data Science Fundamentals

Freelance Developer–   *May 2017*-May 2019
- Build Web Applications based on client specifications.
- Work together with Business and IT teams to develop features based on user stories.
- Develop unit test for components built.