

Arturo Perez

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Portfolio: vrturo.io

LANGUAGES AND TECHNOLOGIES

Proficient: Ruby, Rails, Sinatra, JavaScript, ReactJS, Backbone.js, jQuery, AJAX, Node.js, Express, Jade, Git, SQL, MySQL, PostgreSQL, ActiveRecord, HTML5, CSS3, Sass, Bootstrap, Linux, Unix, TDD (RSpec, Jasmine, Capybara)

Exposure: AngularJS, ES6, D3.js, Socket.IO, FireBase, MongoDB, NoSQL, LESS, AWS (S3, EC2)

EMPLOYMENT HISTORY

Software Engineer | [Beleza Agency](#) | San Francisco, CA 2016 - Present

- Designed and architected UI/UX of company web application using JavaScript, HTML5, CSS3 and Bootstrap.
- Allowed users to upload photos and incorporated AWS S3 buckets with endpoints to render image files.
- Engineered PostgreSQL DB schema with ActiveRecord to handle models with 40+ attributes.
- Persisted 400+ listing images for all users in AWS S3 and deployed web application and assets to AWS EC2.
- Built out administrator view using JavaScript to establish which users had access to admin privileges.

Software Engineer | [The Hufts](#) | San Francisco, CA 2015 - 2016

- Created front-end of stock training platform for market enthusiasts upload and backtest their trading algorithms using JavaScript and Backbone.js MVC framework.
- Built the navigation bar, custom forms, and UI/UX following single-page responsive layout using JavaScript, jQuery, CSS3, and HTML5.
- Templated front-end views using Jade and used HighCharts.js for stock and algorithm data visualizations.
- Leveraged CodeMirror API to display a text editor for users to create algorithms to manipulate stock data.
- Migrated to EJS to embed JavaScript logic in the views to determine what to display based on specific criteria.

Software Engineer, Mentor | Dev BootCamp | San Francisco, CA 2015 - Present

- Pair programmed with 100+ students on technologies such as Ruby, Rails, Sinatra, RSpec, JavaScript, SQL, and ActiveRecord, teaching Ruby best practices and OOP design principles.
 - Lectured on data structures (linked lists, stacks, queues) and algorithm design principles to >50 engineers.
 - Provided in-depth code reviews of Ruby and JavaScript features following agile development methodologies.
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RECENT PROJECTS

Software Engineer | Notester | [live](#) | [code](#) 2016

Advanced note-taking tool for users to easily crowd-source information on specific topics, organized in a hierarchy.

- Followed single-page design pattern using Sass to allow for an intuitive, streamlined, and simplified UI/UX.
- Organized front-end logic using Backbone.js to handle the creation and saving of notes in the local storage.
- Constructed highly integrated DB using ActiveRecord and PostgreSQL to establish polymorphic associations and self-referential tables to store users, notes, resources and tags.
- Visualized an interactive library of notes and associated subcategories as a graph data structure using D3.

Software Engineer | B.A.C.E. | [live](#) | [code](#) 2015

Estimation tool for late night party-goers to calculate their B.A.C based on weight, gender, time, and consumption.

- Wrote an algorithm using Ruby that return a user's Blood Alcohol Content with the weight, gender, oz's of alcohol consumed, and time since first drink that the user provides.
 - Followed TDD (RSpec, Capybara) for unit and functional tests to validate DB changes and HTTP responses.
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EDUCATION

Computer Science, Riverside City College

2011 - 2013