Justin Pettit

Jr Full Stack Web and Software Developer

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JavaScript

Ruby on Rails

Node.JS

Ruby

Angular 1.x

TDD

MongoDB

Mongoose

postgreSQL

Express.JS

AJAX

JSON

BSON

Git/GitHub

Heroku

Bootstrap

Handlebars

jQuery

Python

CSS

PROJECTS

ProBuilder — *M.E.A.N. stack, project tracker app*

Track your projects, the members on those projects, and their assigned tasks. This is my first full stack project. Using MEN technology, I built this app from the ground up in 5 days. I wanted to build an app without using client side data and embedded data in MongoDB. I used pure jQuery DOM manipulation from the database to alter the UI.

Self-Building Race — *Self-building Object Oriented race game*

Race your friends, by rapidly pressing your key faster than your opponent. This was my first app, built from the ground up in 3 days. By using Object Orientation tech, I had the constructors build the player objects and board objects themselves. Theoretically, my program could create an infinite number of players and board length.

Personal API — *NodeJS API*

Use my first created server API to tap in and post an inspiring quote and image url. Built overnight, from the ground up, a peaceful, and RESTful API to post, share and delete inspiring quotes and image urls.

@-Some-Point — *Ruby/RoR Team project*

Figure out the shortest route to take among the destinations you need to travel. Our first team project. I was responsible for project management, building the controllers and most of the Sql database, setting up Auth, rendering the map, and making the external API call.

SF secrets — *M.E.A.N. stack, multi-external API app*

Find out the secrets in San Francisco by either clicking on the map icon, or the tag on the list. Log in, and create your own secrets. Built this from the ground up in 8 days. I utilized Angular abundantly in this app, and made all of my external API calls on the client side.

EXPERIENCE

General Assembly — *Full Stack Web Developer Graduate*

March - June 2016

Through an intensive program, we learn and build several Ruby/RoR and M.E.A.N. stack apps. Since most web applications use these two technology stacks, we come out of GA with a solid foundation to take the first step on launching a Web Development career.

Peterson co — *Power Generation Industrial Field Lead Technician*

11 Years

Left as a lead technician and the top engineer in my field in the SF bay area. I built complex controls (in the electrical environment), lead teams, set estimates and collaborated with several departments to succeed.

Achievements:

- Utilized web based research for procurement of data for a wide range of industrial equipment.
- Programed control and monitoring system computers for a wide range of industrial equipment.
- Lead technician responsible for resources and quotes of larger projects (up to $ 56,000 in allocated budget).
- On emergency call 24/7.
- Became fluent in control and programing software for Kohler Power industrial equipment and support systems, for critical and life critical applications such as data centers and hospitals.
- Responded, troubleshoot and repaired an emergency issue with the US Postal Service's west coast server's power supply computer control system which saved (conservative estimate) 200 million USD.
- Worked on Caterpillar sophisticated web systems to automate replacement and procurement process.
- Assumed the leadership role for the international process of designing a complex recall procedure for repairing Caterpillar's fleet of 2,000,000 watt mobile generators (each repair cost 250,000 USD).
- Built complex remote electrical controls for an emergency pumping station project (value of 200,000 USD).
- Redesigned and programmed the electronics for a fleet of Amtrak locomotives to accommodate newer computer controlled power plants (value of 780,000 USD).
- Operated, monitored and programed Caterpillar power equipment to do real life applications of industrial seismic testing for Caterpillar and the University of California, Berkeley.
- Designed and implemented the electrical design and computer programming for monitoring and controls of several large fleets including: 150 ton cranes and heavy grading equipment (value of several million USD).
- Troubleshoot faults, repaired and calibrated automated computer system and GPS controls for cardinal and elevation tracking systems for grading (road positioning, pitch and angle) and agricultural harvesting.
- Self taught translation, operation, measuring, evaluation and programing of foreign computer systems written in German language. As a result, Peterson Co. got ahead of the national competition by 4 years and generated large additional revenue.

EDUCATION

SJDC/SRJC — *several A.S. degrees in technical repair*

2003-2005

The 2nd highest (out of 2,200 participants) "CAT train test" score in the state of CA. Graduated top of my class.