J. Tanner Plauché

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www.TannerPlauche.com www.github.com/TannerPlauche

Skills: Front-end development, Back-end Development

Languages: Javascript, Python, Swift, HTML5, CSS3

Frameworks & Libraries: AngularJS, ReactJS, React Native, ExpressJS, SailsJS, ReactJs(basic knowledge)

DataBases: MongoDB, CouchDB, PostgreSQL

Tools & Platforms: NodeJS, DigitalOcean, NginX, Gulp, Grunt, WebPack, Bootstrap, NPM, Mongoose, Sequelize, Waterline, Babel, Git, GitHub, BitBucket, Jira, SourceTree, Agile, Scrum

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Projects

EAMYW

EAMAYW (Eat as much as you want) is a meal planning and nutrition tracking application intended for TopFitPros clients and for white-label user by personal trainers. The software enables users to set weight, food, and nutrition goals and tracks a wide variety of variables to help them reach their goals.

- Migrated from Drupal - PHP back-end to NodeJS / SailsJS - JavaScript back-end
- Integrated new SQL oriented ORM, Sequelize in place of Waterline
- Transposed business logic and endpoints for restful APIs
- Used AngularJS to create new features and improve user experience
- Used Bootstrap and SCSS to design and layout user interface
- Constistently completed sprint objectives in Agile style environment with frequent deployments

VowelViz Online

VowelViz Online is a speech analysis and mapping tool that uses HTML web audio API to visualize speech. VowelViz Online enables speech pathologists and individuals with hearing and speech difficulties to see where sounds resonate in their mouths.

- Translated Python and C++ analysis algorithms into JavaScript
- Used PixiJs to render speech tracking visuals
- Used Grunt to build deployable, minified bundles
- Implemented scrum sprints to increase team productivity

Speech Racer

Speech Racer is an iOS app that analyzes speech input and grades the accuracy of the speakers "R" sound production. The app is used by children, parents, and speech pathologists to improve speech distortions and disorders.

- Created unique speech analysis algorithms to isolate and grade targeted speech sounds
- Managed full product development life cycle
- Contributed to and edited C++ algorithms, edited and maintained app features
- Edited existing Objective-C code and app flow
- Implemented Swift bridge headers and swift based features
- Added HTML based routing features

WORK EXPERIENCE

TopFitPros, <u>Full Stack Developer</u>: Orem, UT, 01/2016 – Present

I am currently a contract developer and am helping to bring two web apps, EAMAYW and Guided Workouts, to market. I was a primary part of the team that migrated the back-end to SailsJs, which runs on NodeJs. I use AngularJS to develop features and improve flow of the apps.

V School, <u>JavaScript Instructor</u>: Provo, UT, 03/2016 – Present

I teach an introduction to web development at V School, a programming bootcamp. I teach the MEAN stack and ReactJS.

CompleteSpeech, <u>Research and Development Lead</u>: Orem, UT, 11/2012 – 01/2016

I was the head of research and development at completeSpeech for over three years. I managed the full development life cycle for a number of software projects. I managed C# development with contracted developers to created new visual bio-feedback software. I edited and created features for iOS applications. I used python for analyzing large amounts of data and write speech recognition algoritms. I helped implement and fine tune acoustic analysis algorithms for iOS and web based applications. I translated open source algorithms to to JavaScript from Python and C++ and created used them to create web based speech tools. I used AngularJS to create educational and training tools for visual feedback and phonetics.

Avant Assessment, <u>Quality Assurance Tester</u>: Eugene, OR, 11/2011 – 12/2012

When I started with Avant Assessment I created foreign language assessment tests for the US. military and government agencies. I later began doing manual quality assurance testing for web based language testing applications and started writing automated tests using JasmineJS and KarmaJS.

EDUCATION

Georgia State University 2011-2012
· M.A. program: Applied Linguistics: Emphasis in Computational and Corpus linguistics

Brigham Young University 2007 - 2009
· Major: Linguistics: with Language Emphases in Russian & Czech, Minor: French