

Russell Johnson

Developer

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Skills

- **Node.** 3+ years.
- **Javascript.** 5+ years. I have experience with vanilla javascript for frontend applications. I have experience with ES6 modules and using webpack to compile libraries usable by browsers and node.
- **React.** 1+ years experience building react applications.
- **LAMP Stack.** 4+ years experience in building PHP based web applications following MVC design patterns using frameworks such as Yii2, Kohana, and Laravel.
- **MEAN Stack.** 2+ years experience building node based API's with an Angular 4 frontend. I have used both SQL and NoSQL based data stores.
- **Java.** I have some working knowledge of Java through writing unit tests for android applications.
- **Migrating Legacy Projects.** I have recent experience moving a PHP based application to one using Angular 4 and Node.js.
- **Documentation** - Experience with tools like MkDocs, apiDoc for REST API documentation and other general technical documentation.
- **Frontend** - Strong understanding of Javascript, HTML, and CSS as well as javascript based tools like Angular, JQuery, and Socket.IO.
- **Communication**- Strong verbal communication and written communication skills developed through years of working in various team structures.
- **Issue Tracking and Project Management** - Able to balance multiple projects and responsibilities. Familiar with tracking projects and issues using tools like JIRA.
- **Test Driven Development.** Experience with writing test plans for QA and writing CI tests in mocha and chai. Familiar with CI tools like Travis CI.
- **Security.** I am familiar with basic, apiKey, and oauth2 security schemes and have implemented each of them in multiple languages.

Work Experience

Livio / Node.js Developer

May 2019 - Present

Livio is the maintainer of SmartDeviceLink (SDL). SDL connects in-vehicle infotainment systems to smartphone apps..

Job Description:

- Developed new features for the SDL policy server. This server written using node, redis, and postgres and is used by Vehicle Manufacturers to grant permissions to apps for access to driver's vehicle data. It also handles translation for key data consent prompts and collects reporting data on app usage.
- Developed features for the SDL emulator, manticore. This emulator is written using react and redux. It runs SDL and emulates vehicle data and hardware buttons so that developers can fully test their app without access to an SDL enabled vehicle.
- Some frontend dev support for the SDL dev portal. This is written using a python's django framework.
- Creating an SDL Dev Kit for javascript. The SDL SDK already exists android and iOS apps and helps with the communication between the smartphone app and SDL. The javascript SDK will be usable by node and browser based apps.
- Android app testing. Testing the SDL emulator requires using an SDL app, so using and modifying the existing SDL test app is required.

Related tools and programming languages: git, React, Vue.js, Java, postgres, Node.js, Docker

Latcha+Associates / Technical Architect

Web Developer May 2017 - December 2018

Technical Architect January 2019 - May 2019, Novi, MI

Job Description:

- Maintaining Latcha's legacy PHP application for Audi after sales marketing.
- Migrating to a Node.js Rest API with Angular 4 frontend framework. This process involved business requirement gathering, schema design, and technical requirements documentation for front and backend work done. The purpose of the migration being not only to decrease the cost of maintenance but expand the application to become a viable whitelabel solution for multiple brands.

Related tools and programming languages: git, Angular 4, PHP, Node.js, Jenkins, Docker

Zeamster / Web Developer

November 2015 - April 2017, Novi, MI

Job Description:

- Maintained and enhanced Zeamster's credit card processing API written in PHP using the Yii2 framework with an Aurora database. The frontend was written in ember and I did some minor bug fixes for that. My biggest enhancements to the Zeamster API were a magento plugin and creating a set of Authorize.net compatible endpoints to allow existing users of Authorize.net to integrate with our system as if we were Authorize.net's API.

- Created a new developer portal for Zeamster's API. This was a Yii2 MVC application with a mysql database on an ec2 server. It served as a way for new developers to get api keys and test out our service before moving their application to production.
- Wrote Technical Requirements for Zeamster's API.

Related tools and programming languages: LAMP, Ember, git, Mocha, Jenkins, Yii2, MkDocs, AWS, Aurora

Interserv / Web Developer

October 2014 - November 2015, Southfield, MI

Job Description: Developed web apps for Action Benefits' insurance processing. This involved two applications written in php one using Kohana and the newer application using Laravel. Both of these applications used MSSQL for the database. My biggest task at Interserv was migrating an old blue cross plan selection form that involved mostly hard coded selections to something that properly used the database to find appropriate plans based on the year.

Related tools and programming languages: HTML, CSS, javascript, jQuery, PHP, SQL, Kohana, Laravel, composer

Epic / Developer

June 2013 - August 2014, Madison, WI

Job Description:

- Client and server-side development of professional billing applications along with its integration with clinical, registration, and hospital billing applications. These applications used Visual Basic 6 for the client side windows application and used MUMPS for the server side application which was hosted on location on hundreds of sites. MUMPS used a type of noSQL database unique to this language.
- Authoring and reviewing design documents.
- Reviewing code changes, release notes, and test plans written by quality assurance.
- On-site technical support and observation of our application's users.

Related tools and programming languages: Visual Basic 6, MUMPS, SVN

Education

Grand Valley State University / BA in Mathematics (GPA 3.65)

August 2009 - May 2013

Oakland Community College / Pursuing a BS in Accounting

September 2019 - Present

