

Rob Erekson

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Professional Experience

52Projects

UX / Frontend Engineer | December 2014 – April 2015

Completed a short-term contract to help rapidly develop and launch new product. Worked with remote team to deliver powerful and fast interfaces based on abstract designs and ideas provided by product visionaries.

- Worked with HTML5, CSS3, Javascript / jQuery, Bootstrap
- Created drag-and-drop interactions utilizing native browser DnD libraries
- Developed in-browser photo editor with non-destructive rotation and cropping functionality
- Wrote complex algorithm for positioning individual family members in a larger family tree view

Active Network

UX / Frontend Engineer | June 2012 – December 2014

Took direction from Product Manager and worked with UX / Frontend Team in agile environment (Scrum) to take projects from conceptual ideas through UX and Frontend Engineering stages and into fully functional interfaces sent to the backend team for further development.

- Worked with HTML5, CSS3, Javascript / jQuery, JSON API, Bootstrap, Ruby on Rails, Node.js, Express, and Knockout
- Introduced reusable OOP Javascript components, replacing procedural components previously used
- Designed and built responsive templates for forward-facing website using Bootstrap and Ruby and Rails; led effort to convert existing pages to fully responsive
- Created presentation layer using Node.js and Express to interact with a .NET business layer via a JSON-based RESTful API using Knockout for data-binding

Connection Power / Active Network

Software Engineer | September 2008 – June 2012

Coordinated with a team of remote subcontracted developers as the lone in-house developer on large-scale SaaS application. Assumed role as project lead and overhauled development and testing procedures.

- Worked with PHP, MySQL, XHTML / HTML 5, Javascript (Prototype and jQuery), CSS2 / CSS3, and Ajax.
- Transitioned codebase from procedural processes based on PHP 4 to a modern OOP framework utilizing PHP 5, integrating the newer framework to play nicely with the legacy codebase
- Developed full exception handling and reporting system, system downtime notices
- Updated designs from table-based HTML4 layouts to standards-compliant XHTML 1.1 / CSS3 layouts and introduced Ajax-based interfaces to improve user experience with using the application
- Worked with another developer to design and build custom reporting engine that builds SQL statements on the fly based on filters created by the user

- Created procedures for using separate development, testing, and production environments; defined processes for moving projects through the development and QA stages; moved code into SVN repository and created production deployment methods

Spyraled Media

Web Development / Owner | May 2006 – September 2008

Self-owned company specializing in backend administration systems and order management systems using Ajax to create fast, easy-to-use interfaces.

- Worked with PHP, MySQL, HTML, Javascript (Prototype and Scriptaculous), CSS, and Ajax
- Developed OOP-based PHP framework to increase development speed and efficiency
- Also offered graphic design, web design, photography, and video production services

Consolidated Merchant Solutions

PHP Developer / Interface Design | May 2005 – May 2006

Contracted to work with developers of a standalone Windows application written in C to assist in porting the application over to SaaS platform using PHP, PostgreSQL, XML, Javascript, CSS, and Ajax.

- Worked with PHP, PostgreSQL, XML, Javascript (Prototype), CSS, and Ajax
- Designed user interface of application, including custom PHP objects used to build UI elements to increase speed and consistency of development
- Worked with database team to create an XML-based RESTful API to exchange data between the application and data layers

Property Line International

Creative Manager / PHP Developer | March 2002 – May 2005

Hired as Graphics Assistant and ascended to Creative Manager. Responsible for the company's entire corporate image including both printed materials and online identity. Functioned as part of the development team in LAMP environment. Also assisted with basic sysadmin and server configuration and maintenance.

- Worked with PHP, MySQL, XML, Javascript, and CSS
- Transformed company image from small "Mom and Pop" operation to corporate and professional
- Designed and developed interactive interface for creating email brochures for commercial properties, providing a large volume of income for the company
- Developed procedures for quality assurance and project management to increase productivity and quality of work

Personal Projects

Desert Dash

Race Director / Co-owner / Web Ninja | January 2013 – Current

Oversee company direction and plan all logistics for trail races — consisting of acquiring permitting, course design, and race-day operations. Develop and manage marketing plan including social media, printed collateral, and company website.

- Purchased company in January 2013 and quickly overhauled entire company image and customer experience
- Designed and developed company website with dynamic calendaring, custom reporting, integration with registration system, and Shopify storefront
- Responsible for design and purchasing of all race day materials for race participants, including participant tech tees, custom finisher's medals, swag bags, and other materials and awards

HyundaiPerformance.com

Founder & Site Administrator | December 2000 – July 2006

Created website and forum for Hyundai enthusiasts and grew it to be the largest, most popular website of its kind during my ownership, peaking around 35,000 members and 30,000 daily page views.

- Wrote custom forum software complete with user registration, posting, searching, moderation, reporting and self-policing functionality
- Developed custom storefront with full administrative and reporting backend and Americart integration for payment services

Skills

Languages and Skills

- Javascript / jQuery, JSON, HTML, CSS, DOM, LESS, Bootstrap, Knockout.js
- PHP, MySQL, Ruby on Rails, Node.js, Express
- Adobe Photoshop, Adobe Illustrator, Adobe InDesign
- Responsive Design, Progressive Enhancement, Agile Software Development

Operating Systems

- Mac OS X, Unix, Linux

Education

Basic High School

Graduated with High Honors. Awarded *Who's Who Among America's High School Students*. Awarded *Principal's Award* for creation of school website. Member of *National Honor Society*.

References and code samples available upon request.