

# CHARLES HUDSON

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charleshudson

phobetron

Full-Stack Software Engineer with expertise in User Experience and Service Oriented Architecture, and an extensive background in various industries and platforms

## Skills

### Languages

|        |            |
|--------|------------|
| Ruby   | Javascript |
| Elixir | Crystal    |
| Python | SQL        |

### Front-End

|              |           |
|--------------|-----------|
| HTML         | SVG       |
| CSS          | Webpack   |
| Vue.js       | AngularJS |
| React        | SASS/SCSS |
| Microformats |           |

### Back-End

|            |         |
|------------|---------|
| Rails      | Sinatra |
| Node.js    | Phoenix |
| Django     | SciPy   |
| Docker     | MongoDB |
| PostgreSQL |         |

### Systems & Tools

|          |        |
|----------|--------|
| Linux    | Git    |
| MacOS    | Vim    |
| iOS      | Sketch |
| Adobe CS |        |

### Software Design

Service-Oriented Architecture  
APIs & Protocols  
Constant Integration  
Test-Driven Design  
Analytics  
Web Accessibility  
Internationalization  
Localization  
Responsive Design

## Experience

### LearnZillion

Jan 2017 - May 2019

*Senior Software Engineer*

- Helped update and maintain a large Rails monolith for an Educational Technology organization
- Performed major and minor code refactoring
- Created an internationalization solution to fit the specific needs of an offshore partner
- Managed difficult third-party integrations
- Worked to recover and codify lost institutional knowledge
- Helped migrate the front-end from a Knockout JS-based platform to Vue.js

### ZestFinance

Nov 2014 - Oct 2016

*Lead Software Engineer*

- Helped create new products and maintain existing products for a Financial Technology organization
- Built a customer acquisition web application using AngularJS driven by a REST API based on HATEOAS principles
- Designed public and private REST APIs to leverage HATEOAS for better control and easier maintenance of integrations
- Designed various front-end build systems and API testing platforms using Node.js, Webpack, Gulp, and other technologies
- Created a custom Business Intelligence platform, integrated with New Relic analytics data
- Championed various mentoring and knowledge-sharing initiatives

### Logical Reality Design

Aug 2013 - Oct 2014

*Software Engineer (Contract: Independent)*

- Worked as an independent contractor on various LRD client projects
- Worked on an internet advertisement platform, making major improvements to ad serving functionality
- Updated and maintained various features of a time tracking and invoicing system

### Yellowpages.com

Mar 2010 - Apr 2013

*Senior Software Engineer/UI Specialist*

- Helped build, maintain, update, refactor, and rebuild features and user-facing systems for yellowpages.com and related properties
- Collaborated closely with User Experience and Product Management teams
- Arranged mentoring sessions to help other full-stack engineers build and improve front-end skills

### Los Angeles Times/Tribune Company

Dec 2007 - Mar 2010

*Senior Software Engineer/UI Specialist*

- Helped build and maintain various user-facing sites and systems for LA Times and the Tribune Company
- Developed the front-end of a high-traffic entertainment photography site with an integrated authoring component
- Developed the front-end of an online paid classifieds site integrated with local newspaper print systems
- Helped create new systems for serving articles and managing content directories

## Experience (Continued)

**Sony Pictures Entertainment** Mar 2007 - Nov 2007  
*Software Engineer*

Converted to full-time employment, continuing previous work

**Sony Pictures Entertainment** Sep 2006 - Mar 2007  
*Software Engineer (Contract: Alden Technologies)*

Designed and created the user interface and security model of a secure document management system to be used throughout the organization, including various associated production companies and contractors

**World Fuel Services** Jan 2006 - Sep 2006  
*Web Application/UI Developer (Contract: Daniel Allen & Associates)*

Designed and created the user experience to be applied to all corporate intranet applications, and guided colleagues with regard to standards and practices

**US Naval Air Depot** May 2004 - Jan 2006  
*Web Application/UI Designer (Contract: Robert Half/Baywood Technologies)*

Designed and helped develop user-facing systems for a Time and Attendance web application, compliant with government standards for accessibility; offered training, guidance, and documentation for junior developers

**RecruitMax, Inc.** Jan 2004 - May 2004  
*Software Engineer*

Designed and developed the default skin for the flagship product; created guidelines and updated products for accessibility compliance [Now Defunct]

**Starwood Vacation Ownership** Oct 2003 - Dec 2003  
*Web Application/UI Designer (Contract: TekSystems)*

Designed and helped develop the front-end to a customer history and direct-marketing response application that incorporated Do Not Call (DNC) provisioning capabilities [Now Defunct]

**Law Communications LLC** Mar 2003 - Jul 2003  
*Web Developer/Graphic Designer (Contract: Independent)*

Designed and developed websites, marketing campaigns, branding, logos and brochures for various law firms [Now Defunct]

**RX Strategies, Inc.** Jan 2003 - Mar 2003  
*Web Application Developer (Contract: ProjectCC)*

Designed and helped develop the user interface of a Web-based drug pricing and prescription-writing application for use in community health centers

**Blue Cross Blue Shield of Florida** Sep 2002 - Dec 2002  
*Web Developer (Contract: Modis)*

Designed and developed a Web-based HIPAA training course and certification system with reporting integration

**Blue Cross Blue Shield of Florida** Nov 2001 - Apr 2002  
*Web Developer (Contract: Modis)*

Worked on a team to develop web-based interactive tutorials, created its help system, and performed various graphic design duties

**Creative Impact Communications** Dec 2000 - May 2001  
*Web Developer/Production Artist*

Produced and developed client projects, including websites and email campaigns; replatformed the corporate website, including the intranet and extranet sales/customer management system [Now Defunct]

**MortgageFlex** Aug 2000 - Sep 2000  
*UI Specialist/Javascript Developer (Contract: Matlen Silver)*

Developed markup, styling, and javascript to match the existing desktop product; ported several mortgage and finance-related calculators from various programming languages to Javascript

**Website Pros (Web.com)** Mar 1999 - Jun 2000  
*Web Production Designer*

Helped spearhead various products and services, including e-commerce development, template design and general web development; performed various other tasks, from copywriting and proofreading to market analysis