

Russell Chapman

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I've been programming for more than 20 years and have been a freelance full stack developer since 2013. I've worked on many different types of web related projects ranging from advanced content management systems and web apps to static websites. Below are a few (out of many) examples of projects I've worked on recently.

Gatsby.js static site conversion

01.2019 Converted a 10 year old Google Site to React/Gatsby.js while retaining all of the original meta data, tags, and page routes for search engine ratings. It uses Netlify-CMS for managing patient reviews. <https://dentalcarearvada.netlify.com/>

WordPress to Jekyll static site conversion

09.2018 – 10.2018 Converted an existing WordPress/PHP site to a Jekyll static site while maintaining all theme elements and functionality. Makes use of the Jekyll Archives plugin.
<http://www.g-widgets.com/>

Multi-threaded Downloader

05.2018 – 07.2018 A browser based multithreaded downloader implemented in Javascript. Uses HTTP range requests, HTML5 Filesystem API, and Web Streams API to download multiple chunks of a file in parallel. Works with Backblaze-B2 and Google Drive.
<https://github.com/Backblaze-B2-Samples/multithreaded-downloader-js>

Portfolio Site

Current My portfolio site is a progressive web app with both Jekyll and VuePress versions. You'll find more about other projects I've worked on under the "Development Portfolio" or "Development History" sections: <https://chpmnrssl.github.io/>

Skills

I commonly use the following technologies in my projects and am not afraid of learning more.

- JAMstack & Static site generators (Jekyll, VuePress, Nuxt.js, Gatsby.js)
- Content management systems (WordPress, Netlify-CMS)
- Responsive design, SEO, site optimization
- JavaScript, Node.js, PHP, Google Apps Script
- Vue.js, React, Backbone.js, jQuery, Express.js
- Canvas, WebGL, SVG
- Bower, Gulp, Grunt, Webpack
- HTML5, CSS3, BEM, Sass, Stylus
- DevOps, CI/CD, Docker, Linux, Git
- API, REST, GraphQL, PWA, SPA, MVC
- MongoDB, SQL, CSV, XML

Experience

UpWork / oDesk – Full Stack Developer

2013 ~ present

Worked with various clients (worldwide) as a freelance full stack developer. Detailed project, client history, and feedback is available on my upWork profile page: <https://www.upwork.com/fl/russellchapman>

Like Minds Design – PHP Developer

03.2013 – 07.2013

Developed custom WordPress membership site and plugin for the Mississippi Court Reporters Association: <http://mscra.com/>
More info: <https://chpmnrssl.github.io/vuepress/pages/portfolio/mcra/>

Freelance – Web Developer

1999 ~ 2013

Developed several websites ranging from static HTML to custom content management systems in PHP: <https://chpmnrssl.github.io/vuepress/pages/about/history/>

Other

2005 ~ 2010

ASE certified diesel mechanic, parts counter, and service writer at Travel Centers of America in Limon, CO. Also contracted as on-call/emergency roadside service provider in the Colorado Springs area.

Education

edX/BerkeleyX – Computer Science

2012

CS169.1x: Software as a Service - SaaS, Ruby on Rails
<https://verify.edx.org/cert/5e306e9de87e4b699e30024caa925ff7>

CS188.1x: Artificial Intelligence - Machine Learning, Python
<https://verify.edx.org/cert/3e462d2a82e94c4da653c63924dbc56a>

Pikes Peak Community College – Computer Science

1997 ~ 2011

DRT 283 - Advanced Animation
DRT 201 - Intro to Computer Animation
CSC 161 - Computer Science II, C++
CSC 160 - Computer Science I, C++
AST 102 - Astronomy II *
AST 101 - Astronomy I *
SPS 101 – Spaceflight *
MAT 075 – Pre-Algebra

* NASA Scholarship program