

WEB SOFTWARE ENGINEER

Ethical, meticulous, cross-disciplined engineer with a diverse industrial/cultural exposure and over 24 years' experience (including 8 years remote) uses semantic HTML5, CSS3, Bootstrap4, jQuery3, Vanilla JavaScript (ES6-13), WordPress6 and SEO to design performant, mobile-first, responsive interfaces and cross-browser UX; and employs PHP8, MySQL/PDO, AJAX and JSON-LD to create secure data stores and REST APIs.

SELECTED EXPERIENCE

Campus Crusade for Christ International (CRU.org)

April 2022 – June 2022

WordPress Consultant (remote)

Columbus, Ohio

Provided full stack engineering support to the high-volume WordPress CMS of the leading evangelical organization in the USA.

- Updated corporate WordPress site (2.2 million annual page views) and microsites running in a multi-site configuration via local Docker repository deployed to AWS and secured via Okta, using LOCAL and DEV environments.
- Tracked project tasks in Asana, communicated over Slack, responded to Help Scout tickets and managed source code with Git.

Chase Bank (Chase.com)

October 2021 – January 2022

Front End Developer (hybrid)

Columbus, Ohio

Modernized the customer web portal for the consumer banking division of the largest bank in the world.

- Enhanced functionality by creating views, controllers and mocks in LOCAL environment running BlueJS (Ractive JS MVC application); styling objects using Chase Manhattan Design System (MDS); and prepping Ractive JS objects and logic for modernization conversion to Octagon (custom ReactJS).

WorldStrides (WorldStrides.com)

June 2021 – September 2021

WordPress Developer (remote)

Charlottesville, Virginia

Boosted the operational security of a high-traffic WordPress CMS for a global leader of accredited, educational student travel.

- Provided full-stack support of corporate site (4.1 million annual page views, \$400 million annual sales) and 2 microsites via LOCAL, DEV, QA and PROD environments using SSH, WP CLI, bash scripts, PHP7/MySQL, jQuery3, Bootstrap4, ES10, CSS3, SASS, HTML5 APIs, Custom Fields (ACF/CMB2) and the underscores theme running on Apache and Azure VM accounts while participating in sprints, retrospectives, demos and scrums.
- Enforced source control in Azure, deployed updates over CI/CD pipelines, monitored issues in JIRA and communicated over Teams.
- Ensured service reliability by auditing CMS for expired accounts, abnormal user activity, insecure plugins, outdated core and reported vulnerabilities.
- Mentored offshore team by fostering group cohesion; observing core team hours; and providing instruction, feedback, guidance and encouragement.

Prism Cipher (PrismCipher.com)

January 2021 – June 2021

Cryptographer (remote)

Columbus, Ohio

Created a private key cryptosystem protecting the traffic of the top three email service providers, deployed as a Chrome extension.

- Published a service interface performing on-demand, in-browser encryption on per message basis securing user data transiting through Google Gmail, Yahoo Mail and Microsoft Outlook on the Web (OWA) using symmetric keys composed of over 283,000 assigned Unicode codepoints (Unicode 13.0).

GAIN Capital (GAINCapital.com)

February 2019 – January 2021

Software Engineer (remote)

Powell, Ohio

Provided engineering and UI design support to the wholesale brokerage division of GAIN Capital, its clients and trading platforms.

- Maintained local/staging/production environments of 4 financial WordPress sites (DanielsTrading.com, TopThird.com, FuturesOnline.com and GainFutures.com) using Docker, Composer, Git Bash, WP CLI, shell scripts, XML/SOAP/JSON, PHP7, MariaDB5, jQuery3, Bootstrap4, ES10, CSS3, SASS, GruntJS, HTML5 APIs, Advanced Custom Fields (ACF), Gravity Forms and the Genesis theme running on Apache server cPanel accounts with both private and commercial hosting providers.
- Kept source control in BitBucket, Azure and Git; tracked issues in JIRA; communicated over Slack and Teams; and collaborated using Confluence.
- Monitored SEO marketing strategies with MOZ Pro, SEMrush and Google Analytics against HubSpot landing pages.

Homee (Homee.com)

July 2018 – January 2019

Senior Software Engineer (remote)

Tampa, Florida

Supported Series A startup creating a national, on-demand property maintenance, claims management and home services platform.

- Retooled Drupal8 service platform using PHP7, MySQL/PDO, jQuery, ES6, CSS3 and HTML5; connected APIs and verified endpoints using Postman.
- Developed in VirtualBox and Vagrant on MAMP stack using Github source control, Slack communications and YouTrack project management.

Passphrase Life (Passphrase.Life)
Front End Engineer (remote)

January 2017 – July 2018
Columbus, Ohio

Launched a secure, self-directed audit and analysis service for online credentials.

- Calculated password vulnerability and survival times in offline attacks against various assailants (hackers, supercomputers and The NSA).
- Measured passphrase strength in realtime per keystroke assessing entropy, character set topology, grapheme count and hashcat cracking patterns.
- Created DOM virtual keyboards providing 8 alternate layouts supporting 75 foreign languages, emoji and all Unicode 11.0 graphemes.
- Performed risk analysis by researching password creation techniques, user psychology, enterprise security policies and threat assessment models.

SANTA Monica Pub Crawl (SantaMonicaPubCrawler.com)
Mobile WordPress Designer (remote)

November 2017 – December 2017
Los Angeles, California

Developed 55-page mobile WordPress web app for PR boutique, for 3rd consecutive year.

- Designed mobile app showing venues, routes, times, sponsors and special offers to support the 9th annual holiday charity event.
- Defined mobile UX using jQuery and CSS3 to provide menu navigation, page title breadcrumbs, venue branding and price lists.

National Sign Systems (NationalSignSystems.com)
WordPress Developer (agency)

September 2017 – November 2017
Columbus, Ohio

Implemented 40-page corporate WordPress site for agency client.

- Utilized PSDs and wireframes for consistent UX of mobile-first, responsive layout using Bootstrap and jQuery.
- Created admin interface allowing client to edit (but not break) intricate page layouts using Custom Fields, shortcodes and PHP templates.
- Developed CSS3 and Vanilla JS to sync HTML5 background video to page slides, collapse dropdown menus per window height, anchor menu navigation blocks to logical screen width, display nested menu breadcrumbs; and animate menu appearance, footer navigation and mobile menus.
- Responded daily to questions and concerns earning customer confidence with helpful insights, explanations and warm professional demeanor.

ALVEO Health (AlveoHealth.com)
Independent UX Design Consultant (remote)

November 2016 – December 2016
Cincinnati, Ohio

Executed 100% reface of customer portal using new branding for healthcare claims clearinghouse in a role requiring HIPPA data protection.

- Overhauled function and appearance of login screen and authenticated menu system using responsive layout in ASP.NET MVC environment.
- Applied custom JavaScript and CSS3 styling for ASP.NET application web templates to create fixed menus, display menu item hierarchy, cue menu state and user intent, and dynamically position subpages.
- Developed remotely using RDC/VPN and SFTP, tracked progress in Asana, communicated over Slack and managed source code with TFS.

Trivantis (Trivantis.com now eLearningBrothers.com)
Front End WordPress Developer (remote)

June 2013 – September 2016
Cincinnati, Ohio

Excelled in fast-paced marketing environment implementing and tracking brand presence for elearning software maker.

- Maintained 12,000-page corporate site, 4000-page BuddyPress community, 500-page blog, 40-item WooCommerce store, and 8 Chinese-language international product sites using HTML5, CSS3, Bootstrap, PHP, jQuery and Vanilla JavaScript in a custom-themed WordPress environment.
- Tracked CTR and raw input on lead generation forms, capturing and pushing visitor data from Google AdWords through Marketo to NetSuite.
- Optimized video SEO and presentation using Wistia, and performed light Apache server config and error log analysis.
- Performed PSD to HTML slicing for pixel-perfect layout on LAMP/MAMP stacks and VM Windows environment running under OS X.
- Maintained email templates using HTML tables layout for maximum client compatibility while testing with Litmus.
- Forged custom booking interface for webinars that 1) merged published schedules with on-demand requests, 2) let visitors reserve seats, 3) notified trainers and presenters of registrations, and 4) captured step-by-step lead data using AJAX/PHP5/cURL and the LogMeIn API.
- Within 11 months, transitioned to remote team demonstrating superior communication skills, enthusiasm, timeliness, and exemplary customer service.

Rupert For Senate Candidate Committee
Technical Director (campaign staff)

August 2010 – November 2016
Mechanicsburg, Ohio

Managed technical, legal and marketing strategies for 2012 - 2016 political campaigns of an independent, grassroots citizen-statesman.

- Reported directly to US Senate candidate certifying all marketing and publishing operations with FEC regulations.
- Liaised with Secretary of State to ensure regulatory compliance with donor registration, financial and advertising activities.
- Produced video for web and television broadcast (scripting, blocking, shooting and editing) using Vegas NLE.
- Tailored WordPress SEO strategies promoting candidate recognition achieving Page 1 SERP, above-the-fold, for organic searches on Google.

BAE Systems Information Technology
Programmer / Analyst (USAF contractor)

December 1998 – August 2010
Dayton, Ohio

Developed AMJAMS web app using Oracle tools for The U.S. Air Force Legal Operations Agency.

- Designed web reports using MS Word, OLE automation, Oracle ReportBuilder and PL/SQL stored procedures, functions and packages for Oracle 11.
- Established Document Management System providing automation processing, protected data entry and secure storage.
- Provided face-to-face customer service in a role requiring Tier 1 (T1), formerly National Agency Check and Inquiries (NACI) background investigation.