

Boutros AbiChedid

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SENIOR TECHNICAL LEAD/SOLUTIONS ARCHITECT, SENIOR WEB ACCESSIBILITY ENGINEER Improve Quality and Visibility of your Online Presence | Collaborative and Effective Communicator

Enterprise Solutions Architect, Systems Integration Architect and Software Developer, B2B/B2C. Web Accessibility Expert. Specialize in the development of complex enterprise level solutions. Extensive hands-on experience with all areas of Software Development Life Cycle: requirements gathering, scope definition, solution design, implementation and roll-out. Focus on client relations and industry best practices. Build strong client relationships with excellent interpersonal communication skills. Lifelong learner and Creative thinker with strict attention to detail. 14 years of Web development, Web design and product design experience and an additional 6 years of traditional programming and software development. Achieve high website standards and governance by focusing on web Accessibility, QA, SEO, Performance and User Experience. Core strengths in:

- Drupal and WordPress platforms
- Web Accessibility Standards - WCAG 2.1, WAI-ARIA 1.1, ADA Section 508
- Application / Solution Architecture and SDLC
- Web standards documentation - Accessibility, QA, Best Practices, Web Development, SEO and Performance
- Process mindset - Develop and improve processes to produce quality applications
- User experience and user Interface design
- Troubleshooting high-end technical issues

PROFESSIONAL EXPERIENCE

IT Trailblazers, North Brunswick, NJ

2018 - 2019

Technical Lead | Drupal Solutions Architect

- Provided Enterprise level Drupal solutions and Architecture.
- Guided the delivery teams to ensure customer satisfaction in all engagements.
- Lead technical discussions with clients, both technical and non-technical.
- Assisted sales and project management teams with technical discussions, proposing solutions, and strategizing to acquire new projects.
- Authored company-wide documentation for web standards: Accessibility, QA, SEO, Best Practices, Web Development and Performance.
- Lead the QA team by improving and standardizing web quality deliverables across the company.
- Established and integrated web development standards and processes into the workflow.
- Wrote and presented technical proposals for clients.
- Developed customized presentations and demonstrations to prove solution's business value to High Level Executives.
- Managed an agile software development team consisting of onshore & offshore development resources providing consultancy on decisions and priorities.
- Lead interviews for a range of Drupal and QA positions for both onshore & offshore teams.
- Coached and mentored interns for summer projects. Served as a go-to resource for junior developers.
- Analyzed websites for Accessibility violations and recommended solutions.
- Analyzed websites for SEO and Performance improvements and recommended solutions.
- Estimated technical efforts required to deliver assigned tasks.

Campbell Soup Company, Camden, NJ

2016 - 2018

Senior Web Developer

- Grew and supported user base by managing centralized websites and applications.
- Managed large-scale web properties (over 40 public facing WordPress websites) and APIs, supporting digital marketing for corporate functions and brand marketing.
 - Wrote and implemented company Accessibility guidelines and standards for Section 508 & WCAG 2.0.
 - Developed and modified front-end components for WordPress managed sites.
 - Established and integrated web development standards and processes.
- Provided data access and advanced functionality to front-end components by developing and modifying back-end RESTful services.
- Responded to service requests, troubleshot issues and developed solutions, improving support.

- Managed third party providers, ensuring adherence to web development standards and processes.
- Collaborated with development partners by educating them on web development standards and reusable framework components and performed code reviews submitted by outsourced development partners.
- Led team of developers by allocating work, providing support, prioritizing tasks, managing expectations and owning the quality of the final deliverable.
- Conducted weekly 1-on-1 meetings focusing on both project updates and developmental discussions. Provided direction and leadership for web related project assignments.
- Technical lead role during the initiation stage of digital marketing projects especially for WordPress and Accessibility.

Accessibility and Quality Assurance (QA):

- Subject matter expert for establishing accessibility guidance and working closely with development partners and digital marketing to produce accessible websites and equal experience to people with different abilities.
- Integrated [Siteimprove](#) Web Governance tool into Campbell's public facing websites. Added value to Campbell's [Corporate Social Responsibility](#) and web presence, enhanced user experience and increased user interaction.
- Trained employees and vendors on accessibility standards as an integral part of Campbell's web presence.
- Enforced accessibility standards for new websites. Mitigated accessibility violations on existing websites.
- Performed Accessibility and QA testing on Campbell's public facing websites. Prepared detailed reports documenting identified violations/barriers and suggested solutions. Automated the process. Enhancing quality of online presence.
- Improved quality of web deliverables by testing software and creating test procedures prior to launch.

Technical Standards:

- Authored technical standards documentation and integrated procedures into Campbell's process, such as: Accessibility standards, image optimization standards, website archiving process, PHP CodeSniffer and WordPress coding standards, Jira and Bitbucket workflow, plugins acceptance criteria.

Website Optimization:

- Modernized WordPress search by integrating ElasticSearch. Allowing visitors to quickly find content that might otherwise be hidden with default search.
- Implemented Google's Structured Data Markup, improving search engine visibility and SEO.
- Integrated image optimization service into Campbell's websites and automated the process. Enhancing quality of Campbell's websites by significantly improving web page load time and enhancing user experience.

Development & Development Workflow

- Developed custom WordPress plugins and themes.
- Standardized development workflow, between [JIRA](#) and [Bitbucket](#), and trained all vendors and contractors. The new process makes development faster, more efficient and less prone to errors.
- Standardized code review, improving quality of web deliverables.
- Focused on Code quality, readability and maintainability
- Standardized and streamlined project and issue tracking. Enforced JIRA use. Leading to higher efficiency in resources, faster turnover rate and significantly better support.

Rutgers University, Princeton, NJ

2016

IT Application/Web Developer

Programmed and maintained the Office of Creative Services department multi-site Drupal CMS (60+ Websites). Collaborated with and provided technical support to peers and other staff members and project managers. Fixed technical issues and integrated new features as they arise through Web Support ticketing system.

Princeton University, Princeton, NJ

2013 - 2015

Web Developer & Web Designer

Web Developer and Designer for [Princeton Neuroscience Institute](#) and [Lewis-Sigler Institute](#). Focused on delivering robust, clean, efficient, accessible and maintainable solutions. Took full ownership of the departments' online presence: gathering requirements, design, development, testing, content, deployment and maintenance

- Enhanced departments' online brand nationally by building prospective student awareness and increasing alumni engagement.
- Designed and developed Drupal based [PNI](#) fully responsive websites (public and internal) and the fully responsive [PNI Full Screen Image Slider](#). Variation of slider is also used as a Full Screen Saver at the main lobby of PNI building.
- Designed and developed Drupal based, fully responsive [Lewis-Sigler Institute](#) website.
- Designed and developed Drupal based, fully responsive [QCB Graduate](#), [QCB Certificate](#) and [Integrated Science](#) websites.
- Designed and developed fully-responsive [Tank Lab Website](#).
- Trained staff on the Drupal platform, improving efficiency and productivity.

Creative Marketing Alliance, Princeton Junction, NJ 2013
Website Developer & Designer (Contract | Freelance)

Developed interactive creative online products including website maintenance and enhancements and custom coding.

Blue Olive Online, Clarks Summit, PA 2010 - 2012

Chief Developer and Co-Founder

Involved in all aspects of front-end and back-end web development and custom programming. From front-end by creating elegant, user friendly and accessible websites to back-end by writing efficient, semantic and robust code.

Boutros AbiChedid Blog 2010 - 2016

Blogger

Authored and co-authored 170 tutorials on WordPress, Drupal and web development with goal of educating other developers, spreading knowledge and allowing users to freely use my code on websites.

BAC Software Consulting, Beverly, MA 2008 - 2009

Chief Developer and Founder

Worked as individual contributor for all aspects of web development, including design, accessibility, content, SEO, performance, testing, deployment, and maintenance.

Osram Sylvania, Danvers, MA 2007 - 2008

Web Developer for LED Systems

Designed and developed [Osram Sylvania LED Signage Calculator](#) web application. Application extensively uses JavaScript to calculate quantity of LED products and power supplies needed for a particular signage.

EDUCATION & WEB CERTIFICATIONS

MS, Electrical Engineering (MSEE), [University of Alabama at Birmingham](#), Birmingham, AL

Thesis: Experiment Design for Modeling and Control Strategies of E. Coli Fermentation Process; 1996, 125 pages.

MS, Health Physics (MSHP), [Georgia Institute of Technology](#), Atlanta, GA

Bachelor, Electrical Engineering (BEE), [Georgia Institute of Technology](#), Atlanta, GA

[53 Certified Courses](#) in web design and web development, [Lynda.com](#)

[29 Certified Courses](#) in web design and web development courses, [eClasses.org](#)

Certificate in **Web Business**, [eClasses.org](#), March 2011

Certificate in **Web Graphics and Multimedia**, [eClasses.org](#), March 2010

Certificate in **Web Programming**, [eClasses.org](#), September 2008

Certificate in **Web Technologies**, [eClasses.org](#), February 2008

TECHNICAL SKILLS

CMS Platforms:

Drupal, WordPress

Accessibility:

WCAG 2.1, WAI-ARIA 1.1, ADA Section 508

Web Frameworks:

jQuery, jQuery Mobile, Bootstrap, AngularJS

Scripting Languages:

PHP, JavaScript, ColdFusion

Markup Language:

HTML5

Styling Languages:

CSS, Less, Sass

Databases:

MySQL, Microsoft Access

Programming Languages: C, C++
Graphics | Code Software: VS Code, Net Beans, Sublime Text, PhpStorm, Dreamweaver, Photoshop
Query Language: SQL
Data Interchange Formats: JSON, XML
Cloud Computing Platform: Amazon Web Services (AWS)
Workflow Management Tools: Gulp, Grunt
Automation & Version Control: Jenkins, Bitbucket, Github
Methodologies: Agile, Test-driven development (TDD)
Design Approach: UX, UI, Mobile-First Design, Responsive Web Design, Adaptive Web Design

MEMBERSHIP & TRAINING

- Member of the International Association of Accessibility Professionals (IAAP)
- DrupalCamp NJ 2019 - Feb. 2, 2019
- DrupalCamp NJ 2016 - Jan. 30, 2016
- Essentials of Usability: User Centered Design - May 1, 2015
- DrupalCamp NJ 2015 - Jan. 31, 2015
- DrupalCamp NJ 2014 - Feb. 1, 2014
- Decoupled Drupal Days Conference - Aug. 17-18, 2018
- WordCamp (WordPress) 2016 - Dec. 2-4, 2016
- Drupal 8 Module Development - Jan. 30, 2015
- Drupal 7 - Jan. 27-31, 2014