

JOHN AGHADIUNO

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SUMMARY

Information Technology specialist primarily focused on software engineering and web development, accessibility, and usability with a demonstrated history of working successfully in both state and federal government.

Accessibility Specialist with expert knowledge of semantic Markup, W3C Web Accessibility Initiatives, Section 508 and WCAG 2.1 (AA) guidelines. Expert in front-end development leveraging knowledge in ARIA, HTML5, CSS, Bootstrap and JavaScript.

Skilled in all aspects of the agile software development lifecycle and leading teams. Expert in Microsoft programming languages; C# and, VB.NET. Proficient in managing Microsoft SQL Server databases and SQL programming language. Possess practical knowledge of all relational database systems.

TECHNICAL SKILLS

- Databases: *Microsoft SQL Server, Oracle, MySQL.*
- Languages: *HTML, CSS, JavaScript, jQuery. VB.NET, C#, SQL, and Visual Basic, etc.*
- Technologies: *.NET, Entity Framework, MVC framework and, Azure Cloud Platform.*

PROFESSIONAL EXPERIENCE

US Department of Defense. DFAS | Boston, MA

I.T. Specialist (Software/Database/Cyber-Security). 9/2020 – Present.

Use Project Management skills to support, plan, track, and update progress throughout the software development life cycle for both Waterfall and Agile/Scrum methodologies.

Participate in systems requirement reviews and systems crucial design reviews, and coordinates with customer/functional representatives and other technical personnel to clarify requirements.

Identify how system modifications or new systems or subsystems affect current systems; prepares cost analysis; establishes target completion dates; and prioritizes proposed system changes or developments.

Coordinate with technical support personnel and customer representatives for software development implementation schedules and deployment to production. Prepare system documentation and recommendations for improving software development and configuration management processes in accordance with acceptable industry standards.

Commonwealth of Massachusetts. CPCS | Boston, MA

Senior Web Developer. 7/2011 – 9/2020.

Managed database security. Designed, developed, and implemented automated data backup and restoration procedures. Provided technical support for database maintenance and disaster recovery.

Developed a new state-wide case management system running on Azure cloud platform. The software provided features for managing and administering criminal and civil court cases and administrative legal proceedings.

This system supports over 650 attorneys in over 55 units spread across 16 offices statewide; and provides support for Superior, District and Juvenile Court criminal and delinquency proceedings, as well as Children and Family Law Division (CAFL) and the Mental Health Litigation units. The software was built using MVC framework in C#, Entity Framework and MS SQL Server.

Migrated and upgraded other legacy applications written in other languages to the .NET framework. As a member of the CPCS programming unit, participated in all phases of development for new and existing business applications and software. Other duties included leading or participating in design meetings with project sponsors and end users. Writing design specifications, building prototypes, responding to user feedback, code, test and debug the software.

Provided ongoing maintenance and support for existing software. Prepared one-time and recurring database reports for business intelligence. Setup, cloning, backup and restoring of virtual machines and cloud platforms. Mentoring junior developers and acting as the agency's technical lead.

Other responsibilities included:

- Analyzed users' needs, then designed, tested, and developed software to meet those needs. Recommended software upgrades for existing programs and systems.
- Designed each piece of the application or system and planned how the pieces will work together. Ensured that the software continues to function normally through software maintenance and testing.
- Documented every aspect of the application or system as a reference for future maintenance and upgrades. Collaborated with other developers, designers, software architects and DBAs to create the optimum software.

Commonwealth of Massachusetts, Dept. of Education | Boston, MA
Senior Web Developer. 1/2013 – 4/2015.

Responsible for the technical aspect of the organization's web initiatives and business needs; including application and interface design, development, deployment, and maintenance that leverage Microsoft technologies with Oracle databases.

Responsible for the organization's internal and external web management, design, and development needs from internal and external business clients.

Other responsibilities included analyzing, implementing, and managing the web infrastructures, development environments and servers, etc. Technologies used included VB.NET/C#, WCF and MSSQL, Oracle Databases backend.

Commonwealth of Massachusetts, MCCA | Boston, MA
Web Developer. 9/2007 – 7/2011.

Responsible for leading the technical aspect of the organization's web initiatives and business needs; including application and interface design, development, deployment, and maintenance.

Responsible for the organization's internal and external web management, design, and development needs. Responsible for the managing web requests from internal and external business clients.

Other responsibilities include analyzing, implementing, and managing the web infrastructures, development environments and servers, etc.; and mentoring junior IT staff on object-oriented programming in general and .NET.

Using Microsoft .NET Technologies and SQL Server database designed and developed the following web applications:

- Enterprise intranet application, with content management system built-in.
- Asset management system, Lost and Found, for the public safety department.
- Mobile version of Lost and Found application that could be rendered on any mobile device's browser.

Other responsibilities included the ongoing maintenance of new and legacy web applications and systems.

Lockheed Martin / Centers for Disease Control | Atlanta, GA
NCID Sr. Web Developer. 11/2006 - 6/2007.

Worked as a contractor to the CDC. Was granted security clearance to confidential national security information and was assigned to the Agency for Toxic Substances and Disease Registry (ATSDR) at the Centers for Disease Control and Prevention. Augmented the existing applications by incrementally adding .NET functionality to them; and adding custom COM components (Web Items, Web Classes) to them.

Primary activities dealt with the day-to-day support of NCID web sites, with emphasis on communication, content development and user-centered design. This included page and site usability, information architecture, web site analysis, content development, communication strategy and advisement, site design and development, site maintenance.

Responsibilities also included gathering and reviewing requirements with clients, recording work requirements, and reporting production levels. Was required to work on high priority emergency web pages and this occasionally required after-hours work.

Designed page layouts and graphics; developed multimedia presentations; provided technical guidance on search engines, meta-tags, JavaScript, XHTML, and other advanced web technologies.

Converted documents to HTML and PDF. Uploaded documents to the web and provided alternatives information and assistance to NCID OHC staff and other NCID web developers regarding effective display of information across multiple browsers.

Provided HTML forms, ASP and SQL Server development, JavaScript, and other Internet technology development services. Maintained and monitored various NCID Web directories, documents, accounts, etc. Proofed documents before forwarding for review and posting on the Internet. Assisted in the maintenance of NCID's Intranet pages as requested.

Prepared graphic materials from written or electronic copy using Fireworks, Dreamweaver, FrontPage, Quark Express, Adobe Photoshop, PageMaker, or other web-based development tools. Assisted with the development/revision of the structure and content of NCID web pages.

Served as a technical resource for Section 508 and accessibility issues. Developed infrastructures to support multimedia in a way that was compliant with Section 508, workflow, and content management needs.

State of Georgia | Atlanta, GA
Assistant Webmaster. 9/2000 - 2/2006.

Under general supervision, researched and implemented web technology in creating and/or maintaining web sites. Helped the Webmaster and other site programmers in performing duties related to the design and maintenance of web sites.

Applied knowledge of HTML (Hyper Text Markup Language) coding using Web software programs. Provided both client and server-side web application and content maintenance. Created, developed, and maintained visually aesthetic static and dynamic pages to communicate agency/divisional information.

Corrected problems on the functionality of the web site. Met with customers and vendors needing web and/or print related assistance or work. Proofed and edited existing web based and related media content.

Created and maintained current links to internal and external web-based information. Designed and produced graphics and publications (brochures, flyers, booklets, etc.) for electronic and print media. Proofed and edited existing text-based content in electronic, print, or other multi-media.

Created static and dynamic HTML and PHP templates and pages, digital images and flash objects, digital/analog audio, and video media. Reviewed all documents submitted by Departments/divisions and Web team for final Web uploads.

Converted files from Photoshop images to XHTML files. Checked for appropriate content, logic, grammar, etc. and prepared documents for final HTML coding. Prepared and selected from a wide variety of graphic enhancements for the document to be uploaded.

Developed and communicated to the staff necessary visual, graphic and presentation standards for the Web site. Adhered to the visualization and presentation standards for uploads onto the Web.

Designed the layout, presentation and overall scheme of the department /division's Web site using HTML, PHP, ASP, and other web software programs. Ensured that all information of the department/division's Web site was current, logical, and informative for public view.

Met with other departments in the agency/division, who had input in the final Web/Intranet product. Maintained a working relationship with other departments to ensure that department /divisional information on the Web was current and accurate.

Redesigned the agency's web site and made it comply with the World Wide Web Consortium's (W3C) specifications and guidelines for developing web sites for the handicapped and the disabled.

Edited existing web based and related media content. Hand-coded agency documents using HTML, ASP, and VBScript before uploading it for public view on the World Wide Web. Gathered documents from Access and SQL

EDUCATION AND TRAINING

- Post-Graduate Diploma in Software Engineering | Boston University (2022-23)
- Master of Science in Information Technology | Southern New Hampshire University
- Bachelor of Arts in Psychology | Nnamdi Azikiwe University

HONORS AND ASSOCIATIONS

- The National Society of Leadership and Success
- Alpha Sigma Lambda