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OBJECTIVE

A dedicated programmer with superior skills in developing complex Internet applications using PHP, Javascript, and Microsoft platforms. A collaborative leader who is particularly skilled in architecting databases and developing the user interface to meet the stated requirements. A gifted and agile learner as evidenced by quickly adapting to other skills such as project management and network administration.

SKILLS

Application Languages:	PHP, ASP/ASP.NET, Shell Scripting, JavaScript, JQuery, Backbone.js, Angular.js, Node.js, Perl, Ruby, Java, ColdFusion, XML, HTML, CSS
Database Applications:	MySQL, Oracle, Microsoft SQL Server, Microsoft Access
Content Management:	WordPress, Jekyll, Percussion, SharePoint
Internet Servers:	Nginx, IIS, Apache, SiteMinder
Other Tools:	Git, Subversion, VSS, Jenkins, Travis CI, Bamboo, JIRA, Confluence, Authorize.Net, Pay.gov, Erwin

EXPERIENCE

Web Developer, Freelance, http://www.jpds.org   2015 – 2016

  + Leads a team of 3 developers in designing and implementing a new homepage, blog, search, and events calendar using WordPress.

  + Customizing WordPress plugins and creating custom post types to implement new features of the site to publicize new additions to the school, including FAQs, Themes, and Subjects.

  + Implementing automated deployments to push new updates from a staging site to production using WPEngine hosting capabilities.

Web Developer, Freelance, https://www.measurementlab.net   2016

  + Converted the M-Lab WordPress website over to Jekyll and optimized page load times by over 65%. Additionally, improved the website by making pages fully responsive and writing HTML and javascript validation tests. Incorporated the improvements along with an automated deployment system to deploy the site to AWS.

  + Refactoring existing web socket network speed tests into a re-usable javascript library and MVC architecture using Backbone.js.

Web Developer, Freelance, http://www.unitelvoice.com   2011 – 2012

  + Programmed the e-commerce sections for the various VOIP products of the website. Added features to retrieve available phone numbers from National vendor REST APIs through AJAX.

  + Developed complete site redesign based on PSD design files. Incorporated social networking tools, consumable APIs, and several front end interactivity functions such as dynamic overlays, slideshows, and transitions.

Lead Software Engineer, Aquilent, https://www.healthcare.gov   2013 – 2016

+ Managed a team of 12 developers in support of the high traffic healthcare.gov website and supporting applications.

+ Successfully, guided the development team in the redesign and re-architecture of the https://localhelp.healthcare.gov website to move off of the open source Socrata platform to a 3-tier architecture with the backend in AWS and the front-end deployed to Akamai. Front end developed in backbone.js, middle tier REST API developed in Node.js with a SQL Server database.

+ Assisted in the development and maintenance of several continuous integration systems using Jenkins and Atlassian Bamboo.

+ Helped maintain the Jekyll based healthcare.gov website and integrating with all other supporting applications.

Senior Software Engineer, Aquilent, https://hmspermits.noaa.gov   2006 – 2012

+ Supports the National Marine Fisheries Service in the analysis, design, and creation of new features of their online shop that processes over 37,000 fishing permits a year.

+ Successfully guided the system through several audits by federal agencies and independent auditors making modifications to satisfy the continuously changing requirements around security.

+ Refreshed the hardware architecture of the system including dedicated VPNs to transfer data to different NOAA locations.

+ Transitioned the shop from using an out of date 3rd party e-commerce package to using an emerging federal standard, Pay.gov, to process user's credit cards.

+ Maintains existing XML code that interfaces with the IVR (interactive voice response) portion of the system and updates to stored procedures, triggers, and packages of the supporting database.

Software Engineer, Aquilent, USGS Projects   2007 – 2008

+ Helped the United States Geological Survey maintain the GSAnswers Perl application by developing new capabilities, debugging problems, and updating documentation. Worked on including a Geo-meta tagging feature for FAQs to enable users of the system to be able to search for FAQs of a specific location.

+ Supported the United States Geological Survey in the analysis, architecture, and creation of new capabilities and data fields of the Web Inventory Registration system. Transitioned the system to include all GIO Information Technology assets as well as new reporting, data uploading, and architecture requirements.

Software Engineer, Aquilent, Other NOAA Projects   2006 – 2012

+ Full life cycle development for a 24x7 IVR system that enables fishermen to report fishing trips and landings for highly migratory species of fish via phone. Managed subcontractors responsible for hosting and building the interface and voice files for callers. Built REST API service to interface the call system with the backend Oracle database.

+ Supported the NOAA's Office of the Chief Information Officer with several web applications and writing technical evaluations for migration of legacy applications into the OCIO's environment. Coded enhancements to several existing ColdFusion applications used to capture, manage, and search Policy Directives. Documented test plans and procedures to be used to test the Policy Directives System with the newly developed enhancements.

Web Software Developer, Northrop Grumman   2000 – 2006

Situational Awareness Table

+ Programmed SAT for the Department of Information Systems Agency's (DISA) knowledge management portal. SAT is a very flexible tool allowing organizations within DISA to automate the collection of status information and provide custom filtering, sorting, and search capabilities.

+ Retrieved and used DISA's global user and organizational information from an iPlanet Directory Server via the Lightweight Directory Protocol (LDAP).

+ Helped in implementing single-sign on capability with Netegrity SiteMinder and assisted in writing Perl scripts and tasks to transfer files and metadata to Unix server by way of secure shell (SSH) for Verity to index and use in the Portal search capabilities.

+ Maintained the application to address the architecture changes, new requirements, and integrating new DISA systems.

Systems Engineering And Management System (SEAMS)

+ Supported the Center for Strategic Communication of the National Military Command Center (NMCC) with the development of SEAMS.

+ Created workflow within the application to allow users, via the web, to suggest updates to database information with no changes actually posting until approved by the SEAMS administrator.

+ Assisted the Center in defining user groups and their security access rights, updated data models, and helped out in preparing user documentation, system documentation, and user demonstrations.

Dynamic Commitment War Game

+ Programmed the Game Management Tool (GMT) in support of the Joint Staff's Dynamic Commitment War Game series that was done for the 2000 Quadrennial Defense Review.

+ Collected and documented functional requirements from the Services, Commanders in Chiefs (CINCs), Agencies, and the Joint Staff.

+ Designed user interface prototypes to validate requirements and solidify game play concept of operations with all stakeholders.

Intern, Logicon Inc., Automation of HR forms   1999

+ Designed and developed the automation of standard forms for the Human Resources Department.

+ Trained personnel on ColdFusion.

EDUCATION

Virginia Polytechnic Institute and State University.   1995 – 1999

Bachelor of Science – Accounting Information Systems