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NATALIE QUAM

EDUCATION

North Iowa Area Community College   Mason City, IA
Associates in Science and Business
- Dean's List

North Central High School   Manly, IA
Graduated
- Honor Roll

SPECIALIZED SKILLS

PHP5, HTML5, CSS3, JavaScript, Laravel, JQuery, JQuery Mobile, XUI, PERL, AJAX, MySQL, SQLite, MSSQL, CodeIgniter, Foundation, Bootstrap, Backbonejs, XML, SEO, Git, SVN, Expression Engine, Custom CMS systems, Drupal, Magento, Roku, Cross-browser compatibility, responsive design, responsive image delivery systems, agile development, CMS building, SSL installation, IIS7 and Apache management, Jasper Reports and integration, data mining, video transcoding services, SASS, bandwidth optimization, WebDAV, RESTful service, DB sharding

Coda, xCode, PHP Storm, SublimeText, Photoshop

Windows, Mac OS.X, Linux, IOS, Android

Experience with command prompt environment (Linux, UNIX, MS-DOS, Windows)

Remote system management through SSH and remote desktop

API integration including Google & MS maps, email campaign systems, OAuth, Facebook, Twitter, Pinterest, YouTube, analytics, and experience building RESTful APIs.

Facebook campaign management and app development

PERSONAL QUALIFICATIONS

Creative problem solver with 10 years of programming experience
Excellent communication skills with strong team involvement
Takes ownership of role in an organization with dedication
Capable of quickly adapting to new technologies, languages, standards, and frameworks
First programmer to create a polygonal geo-vector mapping system in Google maps
Invented method for determining bandwidth and delivering assets and site capabilities based on cut points
Created a fully responsive server image and script delivery system without client code or processing
Converted a company to Agile enabling creating an abstracted CMS using Laravel in three months

WORK EXPERIENCE

Senior Web Developer

Digital Bridge Solutions   *Chicago, IL*   *03/2015 - Current*

- Web development and maintenance of various client sites built upon Drupal 7 and Magento. Majority of sites were commerce based and required scheduled maintenance windows and launch plans. Maintained code through git flow model and servers were hosted primarily on Acquia and Rackspace environments. Managed linux servers, deployment, server configurations, and critical updates. Work ranged from full site rebuild projects to feature additions and bug fixes. Created launch plans and provided direction to team members.
- Managed several projects and provided team leadership and insight to improve the development cycle. Met with clients to facilitate a good product with realistic expectations. Worked hand in hand with clients to provide UI/UX that would provide a user better experience while promoting the feeling and style the client wanted. Helped to maintain morale in office and keep the environment positive and productive.
- Built modules for Drupal 7 and extensions for Magento to give new functionality or extend existing modules with extra features. Most work involved usage of drush. Built bash scripts to maintain and streamline updating and synchronization of environments.
- Built custom caching mechanism to improve performance for Magento clients native to Magento without the need for varnish. Improved client site load times from 10+ seconds to under 800ms average. Also instantiated a standard server scaling for optimal performance as a site grows.

Senior PHP Developer

PlayerLync   *Denver, CO*   *10/2013 - 01/2015*

- Development and maintenance of private multimedia distribution software. Projects managed with a two week sprint and planned milestones. Worked with major NFL, NHL, MLB teams and Chipotle corporate hosting the software. PHP development of the distribution software and upkeep of transcoding software for private delivery of videos to client iPads. Reverse engineering of third party databases, cutup software, and integration. UI/UX development of responsive server admin system using jQuery, bootstrap, and backbone. Integration and development of SabreDAV file management system and AJAX web UI for management of a virtual file system.
- Migration to symfony and rapid development framework providing separation between services and administrative portal access for RESTful APIs to be consumed cross-system. Development of synchronization and upgradable system services to move between private web servers accessible on the web and a private local travel network. PHP services to allow for client streaming while downloading, sign-in, logging, and monitoring of clients. Building reporting data viewable through graphs or spreadsheets. Management of GIT repositories and branching strategies. Management and configuration of IIS7 and Apache servers.

PHP Programmer

Rabble & *Rouser*(salary)   *Denver, CO   5/2011 - 5/2013*

- Project management on LiveWell Colorado and Weber Grills leading a team of 2-4 developers and collaborating with design teams. Implemented agile development framework with scrums and daily standups. Migrated company to Laravel and foundation for a responsive cross platform site. Developed and maintained APIs. Oversaw contractors and coordinating with the design team and client managers. Built rich email campaigns managed through clients such as vertical response. Created advanced Javascript and AJAX page elements such as endless scrolling data while limiting memory usage.

- Developed and maintained several websites for various clients using PHP, Javascript/AJAX, CodeIgniter, and JQuery. Regularly managed Git and Subversion repositories and branching strategies. Development of Facebook apps and Facebook sites linking through OAuth and website tie-ins. Mobile site development with XUI, CSS3, and HTML5 to resemble a phone app and maintain compatibility on all mobile operating systems. Some projects required working with Drupal and Expression Engine CMS systems. Company maintained their own custom CMS system that I helped to enhance and build into an HMVC framework. Sites were regularly checked for cross-browser compatibility before launch.

Internet Development & Marketing/Computer Repair (Sole Proprietor)

Computer-Q   *Lakewood Ranch, FL   6/2008 - 12/2010*

- Web development and computer repair. Responsible for advertising design, Internet marketing, SEO, graphic design, programming, database management, & application building. I managed several clients with shopping carts and in need of programming and database work. Projects included a CMS gallery system, a database tied to mapped property listings for commercial real estate, custom product listing system, and several clients only required design and implementation.

Mid Level to Lead Programmer

PropertyMaps (Business downsized)   *Sarasota, FL   3/2007 - 12/2007*

- Startup web 2.0 company featuring national real estate listings with free MLS access housing millions of listings. Everything was developed on a dev server, then loaded into a test server, and finally loaded out to live servers through SVN. My role shifted between back-end and front-end. Position required HTML, CSS, Javascript, AJAX, PHP, PERL, SVN, & Photoshop experience. Requested learning of .NET, TIGER/Line, RETS & IDX MLS import systems, & Google Map API.

- Front-end with javascript using Google Maps API. I created a custom mapping system for drawing a box to map a specific vector with properties. I took this responsibility much further and created a polygonal drawing tool that allowed a user to graph an exact section with any shape up to 50 points in complexity. I was tasked with re-formatting the Javascript coding to speed up the engine and fix several bugs. Due to my proficiency at debugging I was often given bug reports with ASAP timeframe for fixes.

- AJAX mapping system supplying hourly updated listings. Responsible for enhancing procedures and load time efficiency. I managed to cut down server processing time, speed up the database, and gave the mapping system a near zero refresh rate. A CMS was required to post press releases and tie them into an already existing Wordpress hotbox on the front page. Integrated the Postal code TIGER/Line system with a geocaching system. Managed a PERL coded feed system and implemented better automation of imports of millions of properties that happen each day. Created a historical datamine to track analytics on properties, cities, and states.

- Implemented mass email server through Fedora and email campaigns for realtors. Learned Blackberry and Windows Mobile .NET mobile apps in a short timeframe. My position required reaching of milestones in set time periods along with pressure to complete jobs in very short deadlines. Set up database sharding, shadowing and backup to maintain high speed, reliability of service, and database integrity. Lead a team of two developers for a short time.

Webmaster/Technician/Advertising

Chicago 29 Inc. (Business closed)   *Sandusky, OH   8/2005- 11/2006*
- Position was overall IT Webmaster. Implemented site design and content changes through HTML and CSS standards. Graphic design and print advertising for local stores, papers, and coupon books. Repaired computers, printers, and network equipment.

Web Developer & Computer Technician

Advanced Web (Business downsized)   *Clear Lake, IA   12/2004 - 6/2005*
- Position majority involved web design and minor computer repair. Most projects involved design using HTML, CSS, Javascript, and Flash. Often I was required to manage Miva merchant shopping carts for ecommerce. Position required graphic design, hosting, email management, SEO, and maintenance as well.

Contracted Web Developer

Fast Company Performance   *Mason City, IA   5/2001 - 6/2005*
- Position required HTML, CSS, and Javascript. Involved site creation, updates, graphic creation, Internet and publication advertising, and photography. Design and print product catalog, design business cards, and print fliers. Programming, hosting and search engine placement. SEO was a major requirement and months of the position were just SEO. Perform computer maintenance, upgrades, and repairs. My work placed the company as a top performance safety provider for the industry even above their own suppliers and major competitors. Several of their websites have remained number one on Google, Yahoo, and other search engines under major search terms.

Computer Technician (Temporary while attending college)

North Iowa Area Community College   *Mason City, IA   6/2000 - 5/2001*
- Computer maintenance, repair, building, networking, media delivery, help desk, inventory, data entry, updates, software installation, hardware installation, report to service orders, and record keeping. Took calls for help desk & scheduled appointments for repairs. My position became responsible for installing hundreds of computers in a new wing of the building along with networking classrooms.

VOLUNTEER EXPERIENCE

Honor Animal Sanctuary   *Sarasota, FL   2010 - 2011*
- Canine care including walking, cleaning, feeding, medicating, training of new volunteers.

AWARDS & ACHIEVEMENTS

- LiveWell Colorado Campaign Website - 2012 Webby Honoree in Health
- Immunize for good mobile site - 2012 Telly award