**Sam Merrill**

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**SENIOR SOFTWARE ENGINEER**

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Accomplished Senior Full Stack Software Engineer with 7 years of professional experience. As a lead developer I have delivered web applications on time and under budget to Fortune 500 companies (Scripps Network, Coca Cola, Proctor & Gamble). My main strengths are object oriented system design, frontend application development, and working with clients. As a full stack developer I'm responsible for the life cycle of an application's development. This includes understanding and analyzing the business logic, modeling the data, creating a database, building the API, constructing and styling the frontend, testing the system, and maintaining the codebase. I love continuing my education by challenging myself to learn new programming languages and technologies. Other fields that I'm skilled in are sales, quality assurance, video production, and Photoshop design.

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**SUMMARY OF QUALIFICATIONS**

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* Skilled Data Architect with extensive experience modeling, building and deploying company databases.
* Trained in developing Clean Code with an emphasis on code reuse, the single responsibility principle, data abstraction, and dependency injection.
* Solves problems by applying Object-Oriented analysis and design throughout the software life cycle.
* Uses data modeling and design patterns to visualize and develop a clean performant reusable code base.
* Understands the importance of unit testing and knows how to implement Test Driven Design concepts while programming systems.
* Highly efficient front-end developer that can take a design and turn it into a pixel perfect GUI.
* Has countless hours of trade show experience. Knows how to work a booth, pitch product, generate leads, and demo software to business professionals.

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**PROFESSIONAL EXPERIENCE**

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ELECTRONIC TRANSACTION SYSTEMS - Ashburn, VA June 2013 – Present

*Senior Full Stack Software Engineer*

 Build and maintain ETS web applications that are used by thousands of businesses across the country. As a Senior Full Stack Engineer it is my job to see a project through from its inception to its completion. On a day-to-day basis I take direction from the CEO, Vice President and CTO in order to understand the company's goals and business logic. I then use that understanding to design and create great software.

* Developed an Inventory database and API that powers the EMoney POS product. Numerous merchants use this product for their Retail, Restaurant and Ecommerce businesses. Maintaining these systems require database migration planning and scheduling so as to target system updates during non-peak hours.
* Built an open source Nuget package called 'PMoney Inventory SDK', which has been downloaded over 25,000 times. The SDK allows developers to easily digest and use CouchDB and ElasticSearch data repositories for inventory management purposes.
* Responsible for setting up CouchDB and ElasticSearch instances at the company. Programmers now have the opportunity to use document storage when creating new projects. I train and demo the new developers who want to use these resources for their projects.
* Was part of the team that built ETS's gift card platform. Companies such as Golf Now, The Trump Organization, and Billy Casper Golf use our gift card platform.

* Created the EMoney EShop that enables businesses to sell inventory on their own Ecommerce website. One of the first client's to use the EMoney EShop was Chambers Bay Golf Course for the 2015 U.S. Open. Proctor and Gamble is another client that utilizes the EMoney EShop.
* Built ETS an online web store where merchants can purchase terminals and supplies. As the lead and only developer on this project, I was able to meet a strict 2-month deadline. I utilized my company's payment API and Processing Gateway to accept payments online. This was built with C# and MVC, and SQL database.
* Demo new development to the CEO and higher ups in the organization. Responsible for communicating with the CEO on what I'm working on and giving him timelines for new project development.
* Brought in new business from tradeshows by pitching our product suite to company executives.

PERFECT SENSE DIGITAL,Reston, VA February 2012 – June 2013

*Software Engineer*

 My primary focus at PSD was to create Wordpress sites for Scripps Network. During my time with Scripps I created six websites, two of which are award winning. Being the only developer on these projects gave me a lot of freedom to create new plugins and widgets never used before. It also meant I had to build strong relations with the client so that we could work together to deliver the sites on time.

* Worked with Coca Cola on their 2011/2012 Sustainability Report during the summer of 2012. I was responsible for the styling and functionality.
* Worked closely with Scripps Network's top designer Hannah Slaughter to bring her amazing designs to life. As the solo developer I would receive the PSDs from Hannah and would use HTML and CSS to create pixel perfect web pages. Design Happens was built on Wordpress, and I wrote multiple custom plugins using PHP for this project.
* Worked with top designer Hannah Slaughter and developed MADE + REMADE blog for Scripps DIY Network. This blog was a new endeavor for Scripps, and by the second month was receiving huge volumes of traffic. I wrote a photo gallery plugin/widget that bloggers use to effortlessly put together step-by-step do it yourself instructions.
* Trained Scripps Software Support team on how to use each Wordpress site I made. This included training on new plugins I built and how to maintain the codebase.
* Took meetings everyday by phone and GoToMeeting with Scripps Project Managers. Worked closely with Scripp's VP of Business Development Brian Bruce and produced two award winning websites with him.

PERFECT SENSE DIGITAL,Reston, VA February 2011 – January 2012

*Quality Assurance*

 As a QA Engineer I made sure each project we launched was bug free and user friendly. Some of the sites I oversaw were Pure Matters, Better Medicine, Vetstreet, Vetlearn, and Healthgrades. I became an expert at tracking issues in JIRA, creating tickets that incorporated screen shots with annotations so developers could easily spot the issues. Also I gained experience with different types of debugging software like Firebug, Charles, Litmus, and Selenium, which continues to help me today.

* Used JIRA everyday to create and track bug tickets. It was my responsibility to see to it that developers were updating their task. When a developer marked a ticket complete I then had to verify the code in each environment (mobile, desktop, tablet), and cross browser.

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**EDUCATION**

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Bachelor of Liberal Arts in Communication, VIRGINIA TECH

Blacksburg, VA May 2010

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**TECHNICAL SKILLS**

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**Languages and Frameworks:** C#, Microsoft ASP.NET, MVC, Web Forms, Web Api, CouchDB, ElasticSearch, Javascript, Node.js, jQuery, CoffeeScript, AngularJs 1 & 2, React, Redux, JSON, XML, HTML, CSS/SASS/LESS, Bootstrap, Angular Material, MYSQL, SQL, Wordpress, PHP, Java, JSP, TomCat, Maven, Eclipse

**Concepts**: Object Oriented Programming, Version Control, Agile Methodologies, Design Patterns, TDD, Data Modeling, Unit Testing, Clean Code, Code Refactoring, Responsive and Mobile Web Development

**Software:** Git, JIRA, Postman, Terminal/Console, Visual Studio, Nuget, NPM, Webpack, Sql Server Management Studio, Futon, Logstash, Charles

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**AWARDS**

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**Laurie March House Counselor Blog - Developed Fall 2012**

Won 2013 Webby Award (Category (How-To & DIY))

<https://www.webbyawards.com/winners/2013/online-film-video/video-channels-and-networks/how-to-diy-channel/hgtv-remodels-house-counselor/>

**HGTV Design Happens Blog - Developed Fall 2012**

Won 2013 Cable Fax Best of the Web Award

<http://www.cablefax.com/the-lists/digital-awards-2013#best-visual-design>

**Virginia Tech Film Festival - Short Film "Shadows" - Spring 2009**

Won Best Sound Design

<https://vimeo.com/4586274>