Andrew Byerly

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Full Stack C# .NET/PHP Developer

Full-stack .NET/PHP developer based in the Chicagoland area. Has a passion for web development that goes back 15 years, and has been learning new technology and strengthening technical skills ever since. Works well in both collaborative environments and alone. Excels at problem solving, algorithm development, debugging code, and program optimization. Strong Object Oriented Programming, Design, and Analysis skills. Understands SCRUM/Agile and other software development methodologies.

TECHNICAL SKILLS

Programming Languages	*C#, PHP, JavaScript, HTML5, CSS3, SQL (T-SQL/MySQL)*
Web Technologies and Frameworks	*ASP.NET MVC, ADO.NET, Entity Framework ORM, Angular JS, Bootstrap UI, Skeleton CSS, XML, JSON, AJAX, RESTful API, LESS/SASS/SCSS*
Databases	*SQL Server 2014, MySQL*
Tools/Methodologies	*Visual Studio 2017, Microsoft SQL Server, Apache server, Microsoft Azure, Adobe Brackets, SDLC, Microsoft Office, Git, Adobe Photoshop, Adobe Premier*

DEVELOPMENT EXPERIENCE

All Things Delivered Business Site Rebuild
Technology: ASP.NET MVC, C#, Entity Framework, Braintree API, SendGrid API, FourSquare API, HTML, CSS, JavaScript, jQuery, Bootstrap
Rebuilt the customer-facing portion of the All Things Delivered website using .NET MVC and Entity Framework. Designed a relational SQL database to store delivery, customer, and restaurant data. Menu data is scraped from the FourSquare API and stored on a database as a daily automated Azure web job. Braintree API used for PCI-Compliant payment processing, and SendGrid API used for email delivery. Deployed on Microsoft Azure cloud hosting.

Space Time
Technology: JavaScript, jQuery, HTML, CSS
Designed and built a proprietary game engine and world building tools with Javascript. Created a physics model and collision detection algorithm. The game is a 4th dimensional 2D platformer, where the player controls a small blue alien as he travels through the multiverse to collect various objects.

What's in My Bar?
Technology: AngularJS, CocktailDB API, HTML, CSS
Built an angular app which uses the CocktailDB API to calculate which mixed drinks the user can make with the selected ingredients, and other drinks they could make with one additional ingredient.

Weatherly
Technology: HTML, CSS, JavaScript, jQuery, bootstrap, Yahoo weather API
A weather app that sources data from the Yahoo! Weather API. The background image changes to match the weather condition.

Library Card Catalog
Technology: C#, ASP.NET
A simple C# Console application to manage a library catalog. Serializes/de-serializes catalog data to a local CSV file.

Delivery Tip Tracker
Technology: PHP, MySQL, HTML, CSS
Developed a database-driven tip tracker for pizza delivery tips. Features include a time clock to track estimated paychecks, a tip entry system that produces weekly reports of total tips, average tips per hour, and other useful information.

Recipe Optimization Tool
Technology: PHP, MySQL, HTML
Developed a tool that returns a list of recipes to optimize efficient ingredient use. It uses a greedy algorithm to compare conflicting ingredients among recipes, and selects the recipe that would cause the fewest conflicts.

EXPERIENCE

All Things Delivered – Owner/Software Developer 2015-2017
Developed an on-demand delivery service that connected customers needing items not traditionally delivered with independent contractors willing to deliver them. Designed and developed a PHP/MySQL e-commerce application with a driver dispatch and delivery management system.

Coding Temple, – Chicago IL – Software Developer 2017
Built web applications written in C#, JavaScript, HTML, CSS, jQuery, AngularJS and bootstrap. Used the .NET MVC framework and Microsoft SQL Server.

- Developed a full stack e-commerce application using C#, ASP.NET MVC 5, MS SQL, HTML5, CSS3, Angular JS, and Bootstrap
- Designed normalized relational databases using SQL Server Express and T-SQL
- Used Entity Framework ORM to interact with the database and perform SQL queries
- Implemented multiple RESTful APIs including Braintree, SendGrid, and FourSquare

EDUCATION

College of Dupage, Comuputer Science, Business, Engineering
2009-2011

Bradley University, Mechanical Engineering
2012-2014