Todd R. Coulson

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Professional Profile

- Web developer, teacher, researcher, and constant learner are characteristics of my 20 year career.
- Passion for Front End Web Development is my primary focus for creating and solving projects.
- Ability to manage industry trends and tirelessly research new tools and languages.
- Working knowledge of Agile development methods.
- Building working knowledge of JavaScript, React, Redux, PHP, SQL and Responsive Web.

Technology

Development: JavaScript, React, Redux, JQuery, CSS, HTML 5, SQL, PHP, Docker, Jenkins, Git.

Graphic Design: Adobe Photoshop, Adobe Fireworks, Illustrator

Theory & Framework: Responsive Web Design, Design Patterns, MVC, OOP, Agile Development, SCRUM

Employment

American Reading Company • King of Prussia • Full Stack Developer • 6/2017-7/2020

- Created Book Information System using React and Redux to track books in warehouse.
- Learned React and Redux framework from the ground up on project to create BIS.
- Built on knowledge of SQL and PHP to create a full functioning API for book inventory system.
- Exposure to DevOps programs like Docker and Jenkins to build Continuous Integrated projects.

Trinity IT • *Newtown, PA • Solutions Developer •* 10/2016-5/2017

- Worked on various government projects programming in both Java and JavaScript.
- Learned full stack development techniques using AWS, serverless framework, and mongoDB.
- Engineered wireframes and strategic implementations for clients.

Feith Systems Fort Washington, PA • Solutions Developer • 2/2016-10/2016

- Engineered Time Management system using Angular/Bootstrap and Oracle PL SQL stack.
- Worked with in house tools to create programs for clients.

Fulcrum Tech • *Doylestown, PA • Senior Developer •* 4/2015-1/2016

- Create HTML emails and test on multiple email clients.
- Work with ExactTarget to create data relationships for various email scenarios.

Brookwood Media Arts • Lower Gwynedd, PA • Senior Technology Manager • 5/2013-3/2015

- Project managed large scale projects with teammates to create timely and professional projects.
- Researched and developed projects dealing with Adobe Connect, Laravel, MOOCS and Blackboard CourseSites. Discovered solutions for clients specific needs related to their LMS integration needs.
- Worked with JavaScript, HTML, CSS, SASS, Twitter Bootstrap and Laravel PHP framework to build Training Center for US Compliance Systems.
- Devised a system to work with Yeoman and Node JS to develop wireframes for the client.

Vanguard via TCS • *Malvern, PA • Interactive Developer •* 10/2012-5/2013

- Worked with team to recreate interactive graphs, charts, and formulas.
- Applied knowledge of JavaScript, JQuery, CSS and HTML5 concepts into everyday work.

One Sixty Over Ninety • Philadelphia, PA • Freelance Developer • 9/2012-11/2012

PointRoll • King of Prussia, PA • Interactive Developer • 3/2011-7/2012

- Developed with several versions of in house flash api to build advertisements.
- Assisted with and built unit test for Creative Manager product support.
- Worked in an agile environment. Completed one day training in agile development.
- Assisted with JavaScript development in MVC architecture for OnPoint product.
- Received Making an Impression award for work on Chrysler campaign.

Blue Diesel • Newtown, PA • Multimedia Developer • 11/2009-2/2011

- Coordinated efforts to create a framework for building common projects in house.
- Developed Flash and Flex projects for wide range of pharmaceutical clients.
- Assisted in efforts to complete page templates for html sites.

Freelance Projects • Various Locations • Multimedia Developer • 1/2009-10/2009

Comcast Interactive Media • Philadelphia, PA • Flex Engineer • 6/2007-11/2008

- Analyzed and utilized internal frameworks to allow for faster production.
- Created efficient programs using Flex, ActionScript 3, and AIR.
- Utilized Subversion and Eclipse for updating code repositories.
- Code from projects showcased on Fancast.com and Comcast.net portal site.

Haley Productions • Media, PA • Senior Interactive Developer • 10/1999-6/2007

- Lead Developer on projects for various projects for clients such as AOL, Wyeth Pharmaceutical, and Maryland Science Center, also managed project timelines, deadlines, and project requirements.
- Created components, behaviors, classes and for multiple projects use using Flash and Director.
- Integrated design patterns to engineer best possible solutions for clients.
- Collaborated closely with design teams using Photoshop and Illustrator to integrate project vision.
- Met with clients to discuss possible solutions for their media marketing needs.

Teaching Experience

Chestnut Hill College • Chestnut Hill, PA • 1/2016-5/2016

• Taught Web Development with HTML and CSS as adjunct evening professor.

Philadelphia University • Philadelphia, PA • 1/2007-8/2008

 Taught Masters level Flash courses and Web Development course to enable students with the ability to create fully interactive game systems, projects using CSS not table layout, and event handling.

University of the Arts • Philadelphia, PA • 1/2008-8/2008

• Taught ActionScript for Continuing Education, students learned to make interactive games.

Wilmington College • Wilmington, DE • 8/2004-8/2005

Taught Flash and Director classes to students obtaining master's degree in Multimedia Production.

Published Author

Friends of ED • Various Locations • 3/2002-12/2002

- Contributing author of "Macromedia Flash MX Components Most Wanted."
- Developed a component to allow for a player chooser at the beginning of games.

Sams Publishing • Indianapolis, IN • 12/2001-12/2002

- Contributing author of "Macromedia Flash MX Unleashed."
- Wrote four chapters including Publishing, Approaching ActionScript, Event Handlers, and Flash Debugging.

Example Work

Websites

http://www.toddcoulson.com

http://www.buckscountytourofhonor.org

Toddcoulson.com is the home for my portfolio site. Tour of Honor helps Veterans go to Washington DC.

Education

Villanova University • Villanova, PA • 2013

Masters of Software Engineering. Courseware completed consisted of Database & Computer
Systems, Unit Testing, and Test Driven Development. Completed Grand Challenges project entitled A
Study of Responsive Web Design and Flexible Mobile Application Techniques through Recipe Finder to
complete program.

Art Institute of Philadelphia • Philadelphia, PA • 1999

- Associate of Specialized Technology Degree: Multimedia & Web Design.
- Outstanding Achievement Award awarded to the best overall student portfolio.

Marist College • Poughkeepsie, NY • 1996

Bachelor of Science Degree: Business Administration concentrating in Marketing.

Continuing Education

Attended: Liberty JS (2017, 2018, 2019), JavaScript Summit (2014), Agile Development Training (2012), Adobe Max (2011, 2008), An Event Apart (2005), Semi-Permanent (2005).