Tyler Ortiz

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Detail-oriented software development professional and team leader with a history of proposing enhancements that improve designs. Highly effective at analyzing existing systems to discover issues and developing creative solutions that satisfy business and customer needs.

Experience

Competitive Computing   **Colchester, VT**   **August 2013 – Present**
Senior Software Developer

Credentialing Organization - Tech Lead
- Reduced technical debt through improved system design
- Guide and mentor backend team members in API development best practices
- Guide and mentor frontend team members in SPA development using Angular
- Design and implemented more technically scalable systems and improved monitoring and security posture
- PaaS migration to Azure App Services

Human Services Disaster Recovery - Technical Consultant
- Review technical design and reverse engineered application architecture to assist in validating assumptions
- Coached team on DevOps reverse engineering and helped understand container design (Docker)
- Assist with Terraform reverse engineering from Azure side

Nursing Organization - Front End Lead
- Lead frontend development of custom commerce widgets using AngularJS and UCommerce integrated into Sitefinity CMS
- Improved code packaging and design from vendor provided samples

Luxury Hotel Chain - Tech Lead
- Improved development workflow and implement time saving automation tools
- Improved DevOps processes for consistent code packaging

Manufacturing Process Automation - Front End Lead
- Migrated and rewrote AngularJS SPA into Angular SPA
- Migrated Windows Installer (WiX toolset) continuous deployments from TFS 2012 to TeamCity 10 to produce a more accurate release pipeline for delivering a multi-tiered application.
- Developed a 3D modeler in the web using WebGL via Three.js for a single page application. I converted this to a directive for reuse.
- Developed features and improved architecture of a significantly large multi-lingual SPA (Asp.NET MVC + AngularJs) with a completely custom RESTful Api backed (Asp.NET Web Api + Entity Framework) with change tracking and persistence features (using Breeze.js) for complex data sets including a Windows service.
- Made significant improvements to database context management (EF) in a multi-tiered application.

Training/Certification
- Sitecore Professional Developer Certification
- Microsoft Certified Solutions Developer (MCSD) in Web Applications
- Sitefinity Certified Developer

General
- Promoted new features and technology to the team through monthly presentations.
- Promoted use of modern build processes and tools such as Gulp, Npm, Node.JS, and BrowserSync; and showed how they can be integrated with MSBuild to improve workflow and speed up development time.
- Promoted use of TypeScript as it more closely aligned with the strengths of the team
- Promoted use of CSS preprocessors such as Sass and LESS and integrated them into several applications.

Positive Pursuit LLC   **Burlington, VT**   **June 2013 – September 2013**
Freelance Web Developer
- Provided responsive template driven web pages using Jade templating (HTML) and Stylus (CSS) for a web application managing lists.
- Worked to fix bugs with CSS on mobile browsers

Empower Mobility LLC   **Burlington, VT**   **May 2011 – January 2013**
iOS Software Engineer
- Led design and implementation of all game systems including rendering, controls, and combat system
- Created a custom art processing pipeline for 3D artists to export their renderings into the format required by the game engine
- Interviewed potential employees

Education

Champlain College   **Burlington, VT**   **May 2012**
Bachelors of Science in Game Programming
Data Structures & Algorithms, C / C++ Programming, Computer Systems for Software Engineering, Graphics Programming (OpenGL, DirectX), Game Production (Design - Implementation)