

PROFESSIONAL EXPERIENCE

Microsoft, Redmond WA

Software Development Engineer II (Contract – iPensatori, LLC: 02/2017 – 08/2018)

- Provision of operational support and technical development for a cross-storefront business operations team focusing on fraud investigation analysis & enforcement. Participation in Agile/SCRUM rituals to focus efforts & drive advancement within development team. Improvement of code and process quality through code reviews, consolidation of version control & project tracking through TFS/VSO. Automation of workflow processes through scripting & migration of data dependent solutions to Azure resources.
- Design, development and maintenance concerning transaction processing pipeline used to compile large subsets of purchase-related events across all Microsoft storefronts, process and securely store the data for fraud analysis utilizing SQL, PowerShell, C#, and SCOPE. Implementation of the system assisted in identification of millions of dollars' worth of fraudulent transactions and provided knowledge of fraudulent vectors to risk assessment operations.
- Development and maintenance of workflow operations platform using Azure automation framework with C#, PowerShell, SQL and SCOPE to automate business operations, facilitate data transfer & transformation processes and compile reports. Implementation of robust logging, monitoring/alerting & retry components featuring Azure OMS/Log Analytics & PowerBI to maintain, control and optimize the solution. Adoption of the system led to an increase in reliability and efficiency for several team workflows, significantly reducing process failure events & their related downtime recovery work across the team.

Lowe's, Kirkland, WA

Senior Software Developer (07/2015 – 08/2016)

- Development of web services and applications serving sales & business operations teams. Achievement of Scrum certification through training by Agile Alliance during company-wide process to improve practices & processes to an enterprise level. Implementation of Agile project management tools for project tracking, build/test & deployment automation using Atlassian suite (JIRA, Bitbucket, Bamboo) following a GitFlow & Continuous Integration deployment process. Participation in SCRUM exercises with a cross-functional team. Improvement of code quality and sharing of knowledge base through code review and pair programming exercises. Reduction of technical debt through regular refactoring.
- Development and improvement of intranet applications to assist sales associates with management of customer accounts, orders & bulk quotes using C#, ASP.Net, MVC, WebAPI, AngularJS, and SQL and aligning with a company-wide microservice architecture upgrade. Implementation of these applications delivered drastic improvements in performance and maintainability for team services.
- Refactoring of legacy e-commerce web application systems and services during overhaul of ATGStores.com, Lowes.ca and LowesForPros.com sites & back-end services, adhering to a microservice architecture utilizing C#, ASP.Net, MVC, WebAPI, AngularJS, and SQL. Efforts led to a significant improvement in performance, testing coverage & maintainability across the full web application ecosystem.

SurfMyAds, Coeur D'Alene, ID

Software Developer (07/2012 – 03/2015)

- Development of web services and applications aiding affiliate marketing & sales team. Account management tools and report development, extraction & transformation of earnings data from third party services using C#, ASP.Net, MVC, WebAPI, and SQL.
- Design and development of a web report interface and service for the tracking and analyzing of advertising promotion usage. Connection to Google and Bing marketing AdWords & Analytics platforms for up-to-date access to their metrics & services. Extraction and combination of various data sets from external affiliate APIs & analysis platforms to appropriate earnings and guide the application of future promotions. Automation of manual reporting processes resulting in a significant reduction of cost concerning manual reporting & compilation processes.
- Development of an affiliate marketing web service & report interface using C#, ASP.Net, MVC, WebAPI, and SQL to automatically track & compile commission earnings reports from third-party marketing affiliate partners in a variety of formats and provide a clear picture of affiliate marketing earnings to business stakeholders. Automation of data ingress leading to a significant reduction in overhead costs concerning manual reporting processes.

Fluent Edge Technologies, Coeur D'Alene, ID

Software Developer (06/2010 – 07/2012)

- Design and development of features, additions, and fixes concerning e-commerce client web solutions and services utilizing ASP, C#, JavaScript and SQL. Direct negotiation with client product owners concerning management of client development priority, estimation of work, billing and warranty operations.
- Development of a Windows application for retail warehouse order packing & inventory maintenance using C# & SQL to replace a similar legacy system and introduce improvements in performance and usability. Integration with existing e-commerce platform & addition of stored procedures to correct related issues inherent within the legacy system. Worked with a large client to manage deployment operations and made the software available for resale as a service.
- Design of a custom e-commerce platform data merging application using C# and SQL to combine the data sources of multiple client e-commerce systems while retaining referential integrity for overall historical order retention. Management of deployment operations for a large client performing reconsolidation resulting in a successful consolidation of three lines of business and a major reduction of ecommerce system & maintenance subscription overhead.

EDUCATION

Bachelor of Science, Computer Science

Eastern Washington University, Cheney, WA (2008 – 2010)

Minors: Physics, 3D Modeling & Animation