RYAN LAFFOON

Software Engineer

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PROFESSIONAL EXPERIENCE

EVENTCORE

Product Engineer | 2018 – 2021

- Design of a full stack solution in a greenfield environment with the Product Team to replace legacy infrastructure including a modern web portal and custom record management system utilizing Vue.js, Typescript, C#/.Net, Elasticsearch, Cosmos DB and Kubernetes.
- Adoption of quality standards & templates for component development, modular styling, testing coverage, deployment automation, and documentation.
- Development of a centralized service to relate cross-event user profile & registration information from various identity services.

MICROSOFT

Software Development Engineer II | 2017 – 2018 | Contract: iPensatori

- Provision of operational support and technical development for a business operations team focusing on fraud investigation analysis & enforcement across the full range of Microsoft storefronts.
- Design of fraud analysis transaction processing pipeline system utilizing C#, SQL, PowerShell and SCOPE for the processing and secure storage of large subsets of purchase-related data from all Microsoft storefronts. Implementation of the system assisted in identification of millions of dollars' worth of fraudulent transactions and notified risk assessment operations of fraudulent vectors.
- Development of workflow operations platform using Azure automation framework with C#, PowerShell and SCOPE to automate business operations and compile data. Implementation of robust logging, monitoring/alerting systems featuring Azure Log Analytics and PowerBI to maintain and optimize the solution. Adoption increased reliability and efficiency for investigation team workflows, significantly reducing downtime.

LOWE'S

Senior Software Developer | 2015 – 2017

- Development of web services and applications supporting sales & business operations teams. Achievement of Scrum certification through Agile Alliance training. Implementation of Agile project management tools for project tracking and automation following Continuous Integration/Deployment processes using Atlassian suite (JIRA, Bitbucket, Bamboo).
- Development and improvement of intranet applications assisting sales associates with management of accounts, orders & quotes using C#/.Net, MVC, WebAPI, AngularJS, and SQL. Implementation of these applications delivered drastic improvements in performance and maintainability for team services.

- Refactoring of legacy e-commerce web application systems and services adhering to a microservice architecture utilizing C#/.Net, MVC, WebAPI, AngularJS, and SQL. Efforts led to a significant improvement in performance, testing coverage & maintainability across the full web application ecosystem.

SURFMYADS

Software Developer | 2012 – 2015

- Development of web services and applications supporting an affiliate marketing sales team. Account management tools and report development, extraction & transformation of earnings data from third party services using C#/.Net, MVC, WebAPI, and SQL.
- Design and development of a web interface & API for tracking and analyzing advertising promotions. Integration with Google and Bing marketing & analytics platforms. Extraction and combination of various data sets from external affiliate APIs to appropriate earnings and guide future promotions. Automation of manual processes resulting in a significant reduction of cost.
- Development of an affiliate marketing web service & report interface using C#/.Net and SQL to compile commission earnings from third-party marketing affiliate partners and provide a clear picture of affiliate marketing earnings to business stakeholders. Automation of data ingress leading to a significant reduction in overhead costs and manual processes.

FLUENT EDGE TECHNOLOGIES

Software Developer | 2010 – 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 systems while retaining referential integrity. Management of consolidation operations for a client resulting in a successful consolidation of three lines of business and a major reduction of ecommerce system & maintenance subscription overhead.

EDUCATION

EASTERN WASHINGTON UNIVERSITY

BSc, Computer Science | 2008 – 2010