Glynn Fouche

Senior Software Engineer   (541) 647 - 9852 gfouche01@gmail.com

Overview

15 years designing, developing, and supporting full stack, commercial software products and software as a service solutions. Advanced knowledge of agile/SOLID software design patterns, unit/integration testing, source control, service oriented architecture, rest services, responsive / multi-device web and windows applications. Extensive experience with .Net, Visual Studio, HTML5, js/json, CSS

10 years developing and managing database applications; schema design, indexing/optimization, stored procedures, deployment/rollback scripts, backup and recovery; two years dedicated to SQL Server Business Intelligence solutions and reporting - SQL Server 2000-2012, SSAS, SSIS, SSRS, some Oracle

8 years technical lead/architect. Responsible for drafting proposals, and delivering solutions; organizing or hiring team members; negotiating requirements; design/documentation; code reviews, scheduling; delivery; support. Designed and tested for security, performance, usability, maintainability, and scalability

5 years agile software development. Trained in agile scrum and lean, advanced experience with source control, continuous integration, automated deployment, and unit/performance testing in multi-platform environments. TFS, GIT/GIT Flow, JIRA/Confluence, NUnit/JUnit, JMeter, TeamCity, Artifactory

ongoing: evaluating and applying emerging technologies; Amazon AWS, Google PaaS, MS MVC Razor/Web API, angular.js, knockout.js, Nunit, IOC containers, ORM tools, jQuery and derivative frameworks, Node.js, Redis/Couchbase Caching, Mongodb, RESTful services, Bootstrap 2/3, Html5, CSS3; responsive/progressive UI design. Some mobile web development, react, redux, redux-observable

Experience Highlights

(Current position) Senior Software Engineer – *Bend, Oregon*

Responsible for developing and securing applications to achieve PCI compliance. Implemented OAuth solution to secure internal infrastructure. Prototyped an advanced Telecom solution using Twilio's open api framework, Currently leading the development of external interfaces with over two dozen 3rd party api's. Facilitated several process improvements including migration from TFS to GIT, unit testing, dependency injection, rest services, continuous integration and automation. Extensive use of Amazon AWS platform.

11/2016 product release excerpt describing latest project:
- *Speed: The new software is estimated to run over 10x faster than existing software.*
- *Efficiency: By leveraging advanced technologies, the new software selectively sends data that needs to be sent, instead of repeatedly sending the same data over and over again.*
- *Support: The software's new end-to-end logging and monitoring feature prevents issues from going unnoticed, which will decrease outages and loss of service.*

Senior Software Engineer – *Ski.com, Aspen, Colorado*

Member of a small, talented development team that delivered innovative travel software solutions for domestic and international markets. We significantly increased revenue and market share for this established company by redesigning, securing, and globalizing their flagship eCommerce website, launching strategic spin-offs, and creating new sales channels by providing software as a service to major partners.

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Employment History and Significant Projects

12/24/2014 - present **Senior Software Engineer** – *Bend, Oregon*
- currently lead the interfaces team developing automated interactions with external api's
- prototyped an integrated telecom solution with IVR and automated call/task delivery
- modified the flagship application to support Chrome and Safari
- implemented secure storage solution for recorded phone calls using AWS S3
- developed an OAuth server for authenticating user logins and machine communications
- introduced process improvements including unit testing, GIT, continuous integration

05/2012 - 12/24/2014 **Senior Software Engineer** – *Ski.com, Aspen, Colorado*
- developed an international online vacation engine with content management
- developed software as a service affiliate sales websites and management portals
- developed online booking sites for hotels, events, and groups; multiple payment providers
- implemented PayPal integration for multiple payment options and refunds
- developed call center/travel agent operations management software
- leveraged domain driven design and service oriented architecture in all of the above applications

05/2011 - 05/2012 **Software Engineer** – *Resort Technology Partners/Active Network, Avon, Colorado*
- supported windows based ski resort enterprise management software
- improved the *eStore* eCommerce storefront
- supported a restaurant/retail/bar point of sale system - seating, orders, payment, accounting
- re-designed and developed the ski rental counter sales and fulfillment modules

04/2010 - 05/2011 **Senior Programmer/Architect** – *BCS Incorporated, Arvada, Colorado*
- supported the primary contact management database application for the US Dept of Energy
- developed the turnkey DSM website for the Energy Efficiency and Renewable Energy program
- developed a cost benefit analysis app for utilities to analyze demand side management
- created a real-time grant evaluation and peer review application for DOE

06/2008 - 01/2010 **Programmer/Data Architect** - *Guilford Textiles, Wilmington, North Carolina*
- designed and implemented the corporate intranet and developed 150 SSRS Reports
- developed ETL packages, data marts, and cubes for sales and financial reporting
- developed and supported comprehensive profitability reports for each product

10/2001 - 06/2008 **Senior Developer/Architect** - *ICF International, Fairfax, Virginia / Houston Texas*
- improved and maintained the company's first Saas commercial product (CommentWorks)
- ensured compliance with federal enterprise architecture standards and section 508 accessibility
- supported laboratory system software for neutralizing chemical weapons for the U.S. Army
- developed a secure ASP.NET client interface for the Blue Grass Chemical Weapons Depot
- developed a system to support the Texas Energy Star home certification program for Xcel Energy

10/1994 - 10/2001 **Environmental Engineer** - *NC Division of Air Quality, Wilmington, North Carolina*
- member of the executive steering committee that managed IT needs for the Division of Air Quality
- designed, developed, and improved multiple systems for tracking compliance with Clean Air Act
- guest speaker at numerous professional conferences and workshops
- 1 of 3 finalist - 1999 NC Division of Air Quality Employee of the Year (runner up)

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1990-1994 - **Teaching Assistant** *- North Carolina State University, Raleigh, NC*

Summer 1992 - **Computational Scientist** *- NASA Langley Research Center, Hampton, VA*

Education
All but Thesis - MS in Mechanical Engineering, North Carolina State University GPA 3.2/4.0
1992 Graduate Degree in Aerospace Engineering, North Carolina State University GPA 3.3/4.0
1992 Graduate Minor in Mathematics and Numerical Analysis (21 hrs credit) GPA 3.9/4.0
1991 Bachelor of Science in Mechanical Engineering, North Carolina State University
1990 Bachelor of Science in Aerospace Engineering, North Carolina State University