

WORK EXPERIENCE

Software Engineer II, Intelliflo, August 2021 - Feb 2025
Schaumburg, IL USA, Remote

- Enhanced and maintained API microservices and Windows services, written in C#. Services included:
 - REST API microservices using .NET core
 - A scheduled Windows service communicating via flat file formats using .NET Framework
 - A SOAP-based API microservice using .NET Framework
- Worked with SQL Server databases, both monolith and microservice architectures
- Wrote and maintained SQL queries and stored procedures
- Upgraded services to .NET 6
- Wrote extensive unit and integration tests and performed manual testing
- Migrated several microservices from traditional servers to AWS
- todo: Integrated with AWS services: (SNS/SQS, S3, ECR, Kinesis)
- Used git for source control and Github Actions for CI/CD, including code quality checks, test running, and image building
- Jira for story management, Agile sprint planning and backlog grooming
- Participated in both Scrum and SAFe methodologies
- Acting team lead responsibilities: coordinating work, curating status reports to management, participating in leadership meetings
- Provided production support, including being on-call out of hours

Contract Developer, Avalon Risk Management, June 2020 - May 2021
Elk Grove Village, IL USA

- Enhanced and maintained Azure based web applications written in C#+ASP.NET MVC
- Enhanced and maintained an externally facing reporting system comprised of
 - SQL stored procedures which aggregate data queried from multiple databases
 - A C# project which inserts this data into Excel spreadsheets using Aspose.Cells
 - A C# Windows Service which schedules the weekly reports, prepares them for FTP pickup, and emails notifications
- Migrated a utility microservice from ASP.NET MVC to ASP.NET Core
- Participated in all parts of the SDLC
 - Used Azure DevOps for CI/CD and issue tracking with git integration
 - Provided out of hours support and production hotfixes
 - Participated in daily standups, code reviews, and pull requests
 - Implemented mockups, user stories, acceptance criteria, and testing feedback provided by paired BA

Programmer, Ofcdesk, Oct 2019 - April 2020
Chicago, IL USA

- Enhanced and maintained a product catalog desktop application built in C# + WPF
- Prototyped a new revision control tool in C# + WPF for this application
 - Implemented the core revision control logic
 - Designed and implemented the graphical front end to the tool
- Prototyped a new client facing web portal built in ASP.NET MVC and Bootstrap allowing centralized access to all products and account features
- Introduced an SDLC workflow for the development team:
 - Migrated the existing svn repositories to git
 - Introduced the master/develop/feature/hotfix branching model
 - Produced documentation to guide the new workflow
 - Assisted in managing code repositories

Programmer I, The Mx Group, Aug 2015 - Oct 2016
Burr Ridge, IL USA

- Helped maintain 4 web applications, supporting the full stack on each: frontend Javascript and markup, application logic, web and application server configurations, database definitions and access layers, and build+deploy configurations.
 - 2 ASP.NET/C#/IIS/MS SQL Server stacks
 - 2 Apache Struts 1/Java/Apache+JBoss/MySQL stacks
- Applied data updates for 3rd party tools, keeping all environments in sync
- Assisted in the upgrade of 2 servers; provisioned the servers, migrated the databases, updated build and deploy configurations, and upgraded the applications.
- Used Git and Subversion for source control, and migrated a Subversion project to Git
- Initiated using Vagrant to wrap per project development environments in Virtual Machines.

WORK EXPERIENCE (INTERNSHIPS)

Web Developer, University of Waterloo, Jan - April 2013
Waterloo, ON Canada

- Developed components for web service portal in C#, ASP.NET, MVC, and jQuery

Physics Research Assistant, SNOLAB, May - Aug 2012
Lively, ON Canada

- Developed C++ code for a physics simulation framework
- Developed a Monte Carlo simulation of alpha particles hitting a detector

EXPERTISE

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- C#, Javascript, Java, Python
 - HTML, XML, ASP.NET MVC, SQL
 - Source control; Git, Mercurial, SVN
 - CI/CD; Azure DevOps; Jira
 - Linux, Windows