Nathan Wolke

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Software Development Engineer

Experienced web and desktop applications developer. Built and managed reporting metrics sites for data analysis and web/desktop tools for data entry and interaction. Owned and managed projects throughout the development lifecycle, from gathering requirements and prototyping to implementation and deployment. Created and published mobile apps for education and fun. Key skills include:

- .NET Framework
- Project Ownership
- Agile SDLC
- Web and Mobile

Technical Skills

Programming: C#, .NET, JavaScript/JQuery, HTML, CSS, SQL, XAML

Tools: Visual Studio 2005-2012, MS Office, IBM ClearCase Source Control, SQL Server, Access, LINQPad

Employment History

MV Transportation Inc.
Software Developer   2013-Now
Enhanced and built web applications for Microsoft's Connector and Shuttle services. Applications built were internal dispatch oriented applications as well as external Microsoft employee facing customers.

- In progress of re-building fixed route shuttle system from internal route tracking tools built in ASP.NET web forms to WPF visual display of incoming shuttles to a central transit center.
    - Also includes inclusion of One Bus Away data for public transit arrivals to transit center.
- Created a mobile web application for booking on demand shuttle services on the Microsoft Redmond campus. Designed it to appear as a Windows Phone app. Used Jquery Mobile, ASP.NET MVC4. Has not been released yet.
- Enhanced an internal dispatch web application with a drop down top navigation menu system in CSS.

Philips Ultrasound Inc.
Software Development Engineer 2   2008 – 2012
Built and provided ongoing support for internal .NET websites and desktop applications. Focused on building interactive web reports and system analysis tools for the production line and purchasing departments. Was responsible for all aspects of a project, from SQL Server database design through the back-end to the UI. Documented all aspects of projects in accordance with FDA regulations. Projects include:

- Created an ASP.NET web forms application, and accompanying reporting metrics page, for an internal group to help analyze time to process shipping workloads. Required an understanding of key requirements and purposeful actionable objectives. Needed to have an up-to-date status of 8 user's actions at any time from a central server. Produced actionable results to the team and increased efficiencies in processing paperwork.
- Created an internal metrics reporting website for the Supply Chain organization. Has grown to over 30 individual pages of charts and reports. Used by management to analyze and create actionable changes in efficiencies. Started with ASP.NET web forms. Recently introduced MVC3 framework pages. Used a third-party charting solution.
- Converted a shared Access application that was used to track production line problems and down time into an ASP.NET web forms application. Used across the production floor. Data was reported in an internal reporting site. No bugs reported or found since release. Created actionable changes to process on production floor.
- Worked on a team to convert an inefficient set of 12 Excel spreadsheets and 3 Access applications used to track material distributed on the production floor into a single MVC3 application with a SQL Server database. Reduced time to distribute materials.
- Supported a team built desktop application that replaced a paper document of tests. Created multiple external executable plugins for extensible functionality to print labels and access documentation services. Label printing plugin reduced overhead associated with looking through paperwork by automatically determining which labels to print for which machine thereby avoiding mistakes made by manually printing incorrect labels.

United States Navy
Electronics Technician   1998-2004

Maintained and operated self-defense missile system. Troubleshot electronics failures. Conducted training to junior personnel. Led 3 personnel on maintenance and operational procedures for one of the weapon systems.

Other Application Development Experience

Wolke Werks (publishing name)

Projects to educate and have fun. Focused on personal and customer oriented apps.

- My Animal Age (and My Animal Age Free): a windows phone 7.5 and 8 app that allows the user to find out their age if they were any of the 12 animals available, including a dragon. Released May, 2012.
- Punk Or Metal: a windows 8 community oriented app that allows the user to rate an image if it's "Punk" or "Metal", to comment on those images and also upload more. Originally created as an iOS app. Working with the iOS team to incorporate images and existing AWS server.

Education

University of Washington, Bothell
Graduated 2008, Bachelors in Computing and Software Systems.

Professional Development

vNext (Software Developer Group) Meetup Member