Michael Strange

Application Development

Summary	15 years experience developing applications
	Strong usability and design background
	Detailed oriented, solution focused professional, eager to contribute
Development	HTML, CSS, JQuery, .NET Core C#, SQL, Cosmos, Entity Framework, xUnit, Roku Brightscript, Azure: DevOps, APIm, App Services, Functions, SQL, Cosmos, Git
Software	Visual Studio 2019, VS Code, SQL Server Management Studio, Postman, Photoshop

TEKsystems/Syncbak   March 2021 to Present

Roku Development

- Working independently to develop new features and fix bugs.
- *Refactoring the channel when possible to object oriented best practices like SOLID and 3 tier architecture.*

Technologies used: **Roku Brightscript/SceneGraph, Git, VS Code**

EMF Broadcasting (klove.com air1.com)   June 2013 to March 2021

Web Team

Applications Developer

- Worked in an agile scrum team environment of 7. 4 Developers, Scrum master/manager, QA and Designer UI/UX.
- Created Azure DevOps pipelines which include Gulp tasks.
- Developed three admin portals with C# .NET Core which use function apps as micro services to deliver data via Azure APIM to the portal and all other corporate properties.
- Designed and built UI/UX for admin portals.
- Portal data is stored in combination Azure SQL and Azure Cosmos DB and accessed in function app repositories with Entity Framework.
- Used Azure pipelines for CI/CD into stage and production environments.
- Using xUnit and Moq for unit testing.
- Implemented designs and C# .NET Core code for the web site audio player which serves 100k unique visitors a day.
- Wrote new Roku (brightscript) channels using VS Code based on the designer's specifications.
- Moved the K-LOVE and Air1 web sites into Sitecore CMS.
- Implemented responsive redesign of the K-LOVE and Air1 web site using Bootstrap.
- Built native iOS and Android a**pp**s using Xamarin.
- Created and updated widgets, user controls and templates for the Ektron CMS.

Technologies used: **ASP.NET Core C#, Entity Framework, Xamarin, Git, JavaScript, Bootstrap, jQuery, Visual Studio 2019, VS Code, SASS, Gulp, Azure: DevOps, APIm, App Services, Functions, SQL, Cosmos**

Matheson Trucking June 2012 to June 2013

IT Department

Web Developer

- Implemented designers wireframes into standard HTML CSS web site.
- Created Employee and Department directories using SQL Server Reporting Services.
- Coded Windows Services that read CSV text files and Excel spread sheets from email attachments via Exchange Web Services and inserts data into SQL using stored procedures.
- Implemented the move from Visual Source Safe to Team Foundation Server.
- Built event tracking software for the call center using the Dev Express Grid, Silverlight, JavaScript and .Net Web Services (AJAX) .
- Data display applications for the Master Control Center.

Technologies used: **SSRS, Windows Services, Exchange Web Services, Open XML, Team Foundation Server, Visual Source Safe, DevExpress Controls, ASP.NET 4.0 C#, JavaScript, Visual Studio 2010, Silverlight, XHTML, CSS**

Sacramento Public Library March 2008 to February 2012

Marketing / IT Department

Web Developer / Designer

- Worked with a committee and designer to build a new web site. Site eventually evolved into a simple content management system secured by active directory. Site content is stored in MS SQL Server 2008 R2 database. Data is delivered and manipulated through a combination of stored procedures and direct query. Web services, JavaScript, and C# code behind are used to deliver data to the pages.
- Created custom UI for several library subscription software packages using provided XML RSS feeds. This includes enhancements to the XML feed in the events software that's written in classic asp with a MySQL database. The XML is ingested by several ASP.NET classes then cached in web services to deliver to the page. The page then progressively loads dynamic data using .NET script services and JavaScript based on users events.
- Updated the design and code on the libraries commercial site. Site runs completely on JavaScript without any postback on page changes or form submission.
- Built custom volunteer tracking and reporting software. Software includes four components, a public sign-up form, backend maintenance and reporting site and volunteer timesheet. Maintenance site is a complete JavaScript application secured active directory.
- Structured much like the volunteer tracking software the Summer Reading application has a public sign-up form, backend maintenance and live reporting site. Wireframed from the ground up based on the needs of children's librarians.
- Designed and coded web enabled digital lobby signs for branches that display current and upcoming events.
- Wrote documentation for users and programmers.
- Built a simple version of the public web site for a specific set of limited mobile web browsers.
- Captured network usage data from Solar Winds to create web custom reports.
- Continued user training classes that ranged from one on one to groups of 20 or more. Trained on both the custom applications and purchased software, including direct support via email and IT helpdesk ticketing system.

Technologies used: **ASP.NET 4.0 C#, JQuery, JavaScript, AJAX, Visual Studio 2010, SQL Server 2008 R2, TSQL, Photoshop CS5, Illustrator CS5, Flash CS5, XHTML, CSS, XML, Web Services**

SBM Site Service   <u>December 2006 to March 2008</u>

IT Department

Web Developer / Designer

- Worked in a team of three on a customer portal built on top of a highly customized version of DotNetNuke. Designed and coded data visualizations for the portal using Infragistics, Dundas and Crystal Reports.
- Debugged legacy ASP.NET 1.1 C# code in Visual Studio and SQL Server stored procedures in response to customer helpdesk tickets.
- Made improvements to both UX and UI portal design.
- Implemented data workflow improvements between the human resources system, finance, and the customer portal.
- Designed and maintained custom Windows PDA site inspections software and hardware.
- Trained users nationally via webEx, phone, and email on web portal and PDAs.

Technologies used: **ASP.NET 1.1 C#, SQL Server, JavaScript, Visual Studio 2008, Photoshop, Illustrator, Flash , XHTML, CSS, XML, Web Services**

Beutler Corporation   <u>October 2003 to December 2006</u>

Marketing & Communications Department

Webmaster / Multi Media Producer

- Video production: script writing, photography, editing
- Still photographer
- Designed and coded a new data driven web sites using Microsoft SQL Server, ASP.NET 2.0 Visual Basic.
- Built a Flash web site for a second company brand. Site included an appointment request form on the forward facing site in Flash and an appointment and user management tool in .NET on the backend.
- Coded a small web based CRM system for sales staff
- Wrote a marketing collateral inventory and ordering system.
- Designed interactive sales display system.
- Designed interactive CD ROM Business cards using Lingo Script for Shockwave and Flash action script.

Technologies used: **ASP.NET 2.0, Visual Basic, Flash Action Script, Lingo script for Shockwave, CSS, SQL server**