

Alan Byrn

Full Stack Developer Analyst

About

Experienced Full-stack Developer with a demonstrated history of integrating, creating and maintaining web applications over the last 14 years. A developer with a proven record of adopting new solutions into projects with challenging problems in multiple business sectors. Currently seeking an opportunity to use my advanced skills and training to contribute to challenging new software projects.

Experience

ECT Technologies LLC, Broomfield, CO 2005 - Present

Full-stack Developer / Lead Developer (Remote) 2013 - Present

- Develops machine learning and serverless architecture for text analysis product, used by Fortune 500 Firms (Bristol-Myers-Squibb and AstraZeneca). Technology: R, C#, Azure ML Studio, Azure Functions, Azure SQL Data Service, Azure Web Service, D3.js.
- Develops single page web/mobile application to collect field intelligence for global teams at Fortune 500 Pharmaceutical Firms (Bristol-Myers-Squibb, Janssen Pharmaceuticals). Application allows global users to [enter/upload](#) and [analyze intelligence](#) data from any device. Technology: JavaScript UI utilizing jQuery, backbone.js, require.js, and D3.js. Server REST endpoints written in C# using Web API. Data stored in Azure SQL Data Service.
- Develops code and procedure to automate the usage of Azure VMs for batch billings using Azure functions, Azure SQL Data Service and PowerShell.
- Develops and updates promotional site for product [Rapid Response Insights](#). Technology: Vue.js, HTML, JavaScript, CSS, C#, Azure Functions.

Software Product Manager / Web Developer (Remote) 2009 - 2013

- Ported all managed clients and internal applications from managed IIS and SQL server to Azure app and SQL data services, stream-lining deployment process.
- Provided server monitoring, development, and automation for 4 products with a combined user count of over 10 thousand and SQL record counts in the millions.
- Conversion and maintenance of ASP.net application that automates online [Parish Giving](#) to single page web/mobile application for John Patrick Publishing. Site allows parishes to offer customized online giving to parishioners. Technology: JavaScript UI utilizing require.js and kendo UI components. Server REST endpoints written in C# using Web API. Business Layer written in vb.net. Data stored in SQL Server.
- Developed a Windows system tray application to manage updates to the resident application, server communication, data transmission and local component release.

Personal Info

Web: alanbyrn.com

Address: Kearney, NE

Email: arbyrn@outlook.com

LinkedIn: linkedin.com/in/alan-byrn

GitHub: github.com/arbyrn

Tech Proficiency

Languages

C#, JavaScript, SQL, T-SQL, PowerShell, Node.js

Frameworks and Toolsets

jQuery, Backbone, Bootstrap, Require, D3, Vue.js, AngularJS, Webpack, NPM, Underscore

Web Technologies

ASP.Net Core, ASP.Net, HTML, CSS, SCSS, XML, Web API, REST, Azure Functions, Azure Webservices, Web Assembly (C#).

Azure Experience

Configure and manage VMs, configuring and deploying apps and data services, build and deploy app functions, build and deploy Azure ML solutions.

Dev Environments and Tools

Visual Studio, VS Code, Eclipse, Atom, RStudio, GIT, GitHub, Bitbucket, Visual Studio Online (TFS), Azure DevOps, Slack, MakeCode

DB Systems

MS SQL Server, Azure SQL Server, Redis, MongoDB, SQLite, Azure Storage, Local Storage, SQL Server Management Studio

Machine Learning

Azure ML Studio, R, RStudio, ML.Net, TF-IDF

Data Operations Manager / Developer**2005 - 2009**

- Maintained and monitored a global CRM system for Bristol Myers Squibb.
- Developed updates, fixes and internal software tools for CRM system for Bristol Myers Squibb. Including the monitoring and maintenance of 10 Servers running backend code in VB6. Technology: VB6, VBA, MS Access, MS Outlook, MS Excel, VB.Net, SQL Server, MS Server.
- Received several commendations from clients regarding customer support.

Fasse Valves, Kearney NE**1999 – 2005****Hydraulic electric assembler****1999 – 2005**

- Assembled hydraulic components per spec.
- Assembled electrical components (controls, joysticks and wiring harnesses).

Volunteer

- Coaching little league baseball and softball.

Education

BS in Computer Information Systems
minor in Telecommunications

University of Nebraska, Kearney NE
1999 - 2004