

Sean Astrakhan

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A full-stack developer who values learning and collaboration over comfort and predictability.

SKILLS

C#/.Net	React/Redux	SQL	CRM
PHP	Angular	SSIS	Wordpress
Python (<i>in progress</i>)	Handlebars	SSRS	SharePoint
		Power BI	Azure

PROFESSIONAL EXPERIENCE

Mind Over Machines, Maryland

January 2015 – Present

Consultant

Served as Tech Lead and Software Engineer on a variety of clients including federal organizations, national non-profit organizations, and companies in the health, education and financial sectors. Consulted organizational leaders in identifying the ideal technical solution to meet their business goals.

Middleware Application integration with Dynamics CRM

Developed middleware application to automate processes that coalesce three different APIs - Survey Monkey, Dynamics CRM, SharePoint.

- Utilized Dependency Injection and Inversion of Control design pattern
- Implemented Unit Tests using Moq framework
- Leveraged Entity Framework for data layer and Newtonsoft package as JSON to SQL ORM
- Worked with stakeholders to identify requirements and consulted on pros and cons of each API service
- Maintained ongoing updates and service requests

Donor Management Mobile Application

Architected mobile application for an Arts Foundation that wanted to offer its highest donors a phone app to manage promotions to local restaurant and entertainment areas.

- Developed using Angular JS front-end and ColdFusion backend utilizing MS SQL Server
- Built on Apache Cordova (Phone Gap) platform to allow seamless distribution across platforms
- Designed with material design principles in mind to deliver a sleek and modern user interface to attract higher user-base
- Oversaw distribution through Google Play and Apple stores

Data Migration ETL using SSIS

Migrated entire company's CRM data from Goldmine to on-premise Dynamics CRM with Outlook using SSIS and Kingswaysoft to create asynchronous ETL application.

- Collaborated asynchronous .Net ETL application that leveraged SSIS to migrate ~500K emails
- Leveraged Kingswaysoft SSIS plugin to assist in data-mapping
- Configured Change-Data-Capture (CDC) feature in SQL to maintain data integrity
- Developed custom plugins to increase email tracking visibility and record ownership
- Adapted existing Goldmine data model to Dynamics CRM to maintain company business logic complete with development of entities, workflows, views and dashboards
- Collaborated with Network administrators to debug deployment and connectivity issues

Idea Hub - React & Node.Js

Developed a SPA application to allow city residents to pitch their ideas for technological solutions that could benefit the city.

- Architected front-end application using React and Redux
- Leveraged Redux containers to minimize code and simplify operations for future developers
- Implemented Sagas Pattern to handle async operations
- Oversaw development of back-end using Node.JS
- Worked with city residents and local government stakeholders to identify requirements
- Functionality allowed users to vote on ideas and administrators to segment voters based on skill-set to extrapolate who could lead their ideas to completion

Health Savings Calculator

Collaborated on building a health care calculator that allows users to calculate their health care costs and view charts that display their health savings.

- Implemented a HandleBars JS for templating and JS graphing library to dynamically display charts to the user
- Stored Calculator configurations in MySQL database.
- Interfaced with existing MySQL database and used PHP to retrieve relevant data.
- Integrated with company's existing Word Press site

Membership Directory with .Net Core

Collaborated on a .Net Core application to assist an investment company in showcasing their members.

- Utilized Razor views and JQuery Datatables for user interaction.
- Implemented 'Repository Pattern' architecture
- Utilized Entity Framework Core as ORM
- Maintained deployment cycle leveraging Visual Studio with Azure deployment tools.
- Advised on Azure hosting possibilities for scalability, price and security

Dynamics 365 CRM Integration

Implemented multiple Dynamics CRM instances with Office 365 application integration across five departments including SSRS reports and javascript to synchronize mapping API.

- Developed custom entities, Javascript, workflows, and plugins to embed SSRS reports in dashboard views and handle business logic beyond default ability of CRM instance
- Leveraged Javascript Es6 syntax to write maintainable and concise form scripts to calculate time-zones dynamically for a given address utilizing Bing Maps API
- Consulted on the pros and cons of implementing a custom versus "out-of-the-box" solution in areas such as Microsoft Flow and Power BI as opposed to standard workflows and charts
- Integrated external Dynamics applications including SharePoint, OneDrive and Voice-of-the-Customer

DAASN, Maryland

September 2014 – Present

UX Lead

Served as UX lead for an SEO and Web PR company implementing Wordpress applications for a diverse client base.

- Created custom themes with PHP or used existing templates per client needs.
- Composed custom Bootstrap themes leveraging Sass and Twitter Bootstrap
- Gathered client requirements and worked with Project Managers to plan Agile sprint cycles
- Composed wireframes using a combination of Balsamiq, Axure, and Photoshop.
- Planned sprint cycles to ensure on-time delivery and keep project on-track

COMMUNITY ENGAGEMENT

Code 4 Baltimore

July 2016 – Present

Tech Lead

Volunteer as technical advisor and lead developer on open source projects focused on "open government, open data, great design, and social good in Baltimore."

Baltimore Dance Crews Project

January 2017 - Present

Dancer, Data Specialist

Aid in organization's data management and CRM needs (Salesforce) to help more people hear about their incredible mission - initiate and strengthen relationships through hip hop dance to aid students from school to career.

EDUCATION

University of Maryland Baltimore County, Baltimore,
January 2012 – June 2014

- Obtained Masters in TESOL (Teaching English to Speakers of Other Languages)
- Psi Chi and Sigma Delta Pi Honor Society Member

Eastern Michigan University, Ypsilanti, MI
September 2005-March 2010

- Bachelor of Science, Double Major in Psychology and Spanish
- Obtained Secondary Teaching Certificate
- GPA 3.6/4.00, graduated Dean's List

ADDITIONAL INFORMATION

Certifications: Architecting Azure Solutions 70-535

Human Languages: Fluent Spanish, Conversational Russian, Survival Mandarin