

Sean Astrakhan

sastrakhan@gmail.com ● 443.401.0516

www.seanstech.life

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

SKILLS

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

Mind Over Machines, Maryland

January 2015 – Present

Senior Consultant

Served as Software Engineer and Tech Lead for a variety of clients in the health, education and financial sectors. Consulted organizational leaders on identifying the ideal technical solution to meet their business goals. Maintained software deliverables and managed client expectations through Agile Scrum framework.

Middleware Application integration with Dynamics CRM

Served as Tech Lead on middleware application to automate processes that coalesce three different RESTful APIs - Survey Monkey, Dynamics CRM, SharePoint

- Utilized Dependency Injection and Inversion of Control design pattern
- Maintained continuous delivery pipeline using Octopus Deploy with Azure Cloud Services
- Implemented Unit Tests using Moq framework following Test Driven Development (TDD) guidelines
- Leveraged Entity Framework for data layer and Newtonsoft for JSON to SQL ORM
- Worked with stakeholders to identify requirements and consulted on pros and cons of each API service
- Consulted on Azure hosting possibilities for scalability, pricing and security

Donor Management Mobile Application

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

- Developed using Angular JS front-end and .NET MVC back-end utilizing MS SQL Server
- Built on Apache Cordova (Phone Gap) to allow platform agnostic distribution
- Designed with material design principles 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

Collaborated on an asynchronous ETL application to migrate entire company's CRM data from Goldmine to on-premise Dynamics CRM using SSIS

- Implemented C# and SQL scripts within SSIS tasks to routinely migrate ~1M records
- Configured Change-Data-Capture (CDC) feature in SQL to maintain data integrity
- Leveraged Kingswaysoft plugin to assist in data-mapping
- Collaborated with Database Administrators to implement High Availability and Disaster Recovery (HADR) redundancy to minimize server downtime
- Developed custom plugins to increase email tracking visibility and record ownership
- Adapted existing Goldmine data model to Dynamics CRM to maintain business processes in entities, workflows, views and dashboards

Idea Hub - React & Node.js

Served as Tech Lead on a SPA application to allow city residents to pitch their ideas for technological solutions to 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

Membership Directory with .Net Core

Developed a .NET Core application to assist an investment company in showcasing their members.

- Utilized Razor views and JQuery Datatables for front-end
- Implemented 'Repository Pattern' architecture
- Utilized Entity Framework Core as ORM
- Maintained deployment cycle leveraging Visual Studio with Azure deployment tools.
- Addressed post-production feature and service requests

Health Savings Calculator

Collaborated on building a health care calculator to allow members to calculate their health care costs and view charts that display their health savings

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

Dynamics 365 CRM Integration

Implemented multiple Dynamics CRM instances with Office 365 integration combined with SSRS reports and Javascript to extend default ability of CRM

- Developed custom entities, Javascript, workflows, and plugins to embed SSRS reports in dashboard views and handle business logic beyond default ability
- 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 – January 2015

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 Twitter Bootstrap themes leveraging Sass
- Gathered client requirements and worked with Project Managers to create Agile sprint cycles
- Composed wireframes using a combination of Balsamiq, Axure, and Photoshop
- Planned sprint cycles to ensure on-time delivery

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, Associate Developer

Aid in organization's data management and CRM needs (Salesforce) to help more people hear about their incredible mission – to 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

- 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
- 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