

PROFESSIONAL SYNOPSIS

Momentum is staffed with a skilled web application Developer with experience working across a diverse set of IT environments, end users, programming languages, and data solutions. This individual is a solution-oriented Developer with a strong work ethic and desire to meet client business and technical needs.

KEY SKILLS

- Object-oriented Analysis and Design
- Application Development
- Database Development
- Workflow Process
- Documentation Creation

Education:

- *Bachelor of Science (BS), Information Systems*, Penn State University – 12/2014
- *Master of Science (MS)*, Penn State University – 8/2017

Training and Certifications:

- Scrum Fundamentals Certified – 2018
- Lean Six Sigma Champion Certified - 2018

Software/Technology:

- MS Office Suite
- MS Access
- MS Visio
- MS Outlook
- SQL Server
- SSIS
- JDBC
- Java
- C#
- VBA
- JavaScript
- jQuery
- HTML/HTML5
- CSS
- XML
- Windows
- Linux
- OS X
- iOS
- Adobe Flash
- Illustrator
- Photoshop
- After Effects

RELEVANT EXPERIENCE

Business Analyst and Developer **01/2015 – Present** **PA DHS** **BMCO Provider Network Reporting/Enhancement Initiative**

As a subcontractor to Deloitte and the services they deliver to the Pennsylvania Department of Human Services (DHS), the Developer is responsible for providing design, prototyping, and engineering of a data validation engine capable of consuming file submissions from individual Managed Care Operators (MCOs). Their responsibilities include meeting the following critical business needs: application of an extensive and comprehensive list of validations against all submitted data; generation of a response file containing file level validations, record level validations, and a consolidated summary of data issues; and storage of both the data and metadata in a SQL Server database. In a related effort, the Developer provided similar value which resulted in a data visualization front-end web application that allowed Bureau of Managed Care Operations (BMCO) users to view an analysis of each MCO's provider healthcare network, enrollment trends, submission metrics, and network adequacy. Additionally, the Developer created the documentation required to support these solutions and assisted with the internal server setup and configuration efforts.

Business Analyst and Developer **11/2014 – 01/2015** **PA DHS** **OMAP Database Analysis**

The Developer performed detailed database analysis of mission-critical databases used by the Office of Medical Assistance Programs (OMAP). These included:

- **Healthcare Effectiveness Data and Information Set (HEDIS) Data Repository** – The Developer reviewed databases used for storing information regarding healthcare benchmarks, rates, and metrics to fix issues with frontend data integrity, display, and reporting.
- **Call Center Databases** – The Developer analyzed technical limitations of OMAP call center databases to identify, recommend, and support the implementation of solutions and migration options to improve performance.

- Fireworks
- Visual Studio

**Business Analyst
PDE**

08/2014 – 11/2014

Transfer and Articulation System

This individual worked on a data cleansing project for Academy One. The Developer received files from colleges that want their information uploaded to a web site for potential students to view. When a file was received, the data was scrubbed and the results were imported into a SQL Server database. The Developer then verified the information by running queries and reports, created a SQL Create Table (text file) and a supporting data file, and forwarded the the work products to Academy One for import into their database.

**Business Analyst Intern
Momentum, Inc.**

05/2014 – 11/2015

Working as an Intern for Momentum, this individual gathered and drafted business and system requirements for software implementation. This individual developed scalable and flexible applications to automate and enhance both internal and contractual processes. The Developer prepared documentation for program development and use, procedural code analysis, and user training. Finally, the Developer gathered and drafted business and system requirements for CRM implementation and automated repetitive data entry in Microsoft Word documents utilizing User Forms created with VBA.

This individual developed a procedural document to outline the use and editing of automated User Forms in VBA, created an MS Access database; including all forms, queries, and reports, for a call center tasked by the Department of Revenue (DOR) to combat tax return fraud. The Developer wrote and implemented several Java applications to retrieve, parse, and create files required for the DOR call center functionality, and provided technical documentation and a user manual for the call center database.

The Developer created a MS Access database; including all forms, queries, and reports, for an internal Goal Tracker application to allow managers and employees the ability to view and update goal progress. Additionally, this individual wrote and implemented a Java front-end application for the Goal Tracker to ensure secure role-based access to user data.

**Team Leader
Penn State University**

01/2014 – 05/2014

IST 420: Systems Integration

This individual led a team project to analyze in-depth case studies detailing examples of business lifecycles. They developed behavioral and functional models, created business process maps, behavioral state machines, and use-case diagrams. Additionally, the team leader designed user interfaces for proposed systems and provided recommendations based on business process reengineering principles.

**Team Leader
Penn State University**

01/2013 – 04/2013

IST 402: Emerging Issues in Technology

The team leader guided a team through the task of designing and prototyping a driving simulator that assessed user input and provided an ethical framework that summarized their decisions. This individual created

a prototype in C++, designed a car, environment, and various scenarios in 3D modeling software, and produced a video detailing the function and purpose of the simulator.