

Matthew R. Musselman

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RELEVANT EXPERIENCE

SIMVENTIONS, INC., *Fredericksburg, VA* (2014 – 2017; 2019 – Present)

- Software Engineer, *Remote* (2019 – Present)
 - Architect desktop application to perform network analysis using C++ and C# using .NET Framework
 - Implement C++/CLI layer to allow C# and C++ interoperability
 - Configure Continuous Integration (CI) with Jenkins for custom C++ and C# application
 - Design unit and integration test suites using Google Test with Google Mock for C++ and Xunit with Moq for C#
- Software Engineer, *Fredericksburg, VA* (2015 – 2017)
 - Manage deployments of testing and production workloads on Amazon Web Services (AWS) using Red Hat Enterprise Linux (RHEL), CentOS, and Microsoft Server
 - Ensure compatibility across relational database management systems including MySQL and Microsoft SQL
 - Design and implement user login feature utilizing DoD Common Access Cards
- Junior Software Engineer, *Fredericksburg, VA* (2014 – 2015)
 - Design and implement new major version of application, rewriting from Zend Framework 1 to 2
 - Design and implement data migration module, migrating tens of thousands of production records
 - Design and implement various search capabilities including geospatial filtering and visualization
 - Develop application services and endpoints using RESTful design principles

ANDCULTURE, INC., *Harrisburg, PA* (2017 – 2019)

- Software Engineer, *Harrisburg, PA* (2017 – 2019)
 - Implement new features and enhancements for web applications used by tens of thousands of daily users
 - Develop custom RESTful API endpoints backed by a Microsoft SQL database with hundreds of millions of records
 - Manage deployments of testing and production workloads on Microsoft Azure, utilizing Jenkins for CI
 - Develop integrations with third party APIs such as Twilio SMS service and Algolia search index
 - Implement custom frontend components from high fidelity mockups using SCSS
 - Serve as a Scrum Master for a team of twenty cross functional members conducting all Sprint Ceremonies

INGROUP ASSOCIATES, *Lancaster, PA* (2014)

- Information Technology Intern
 - Negotiate contract, implement, and support ZixMail secure email software in a small business environment
 - Leverage technology for Business Process Automation and provide technical assistance to internal customers

MESSIAH COLLEGE, *Grantham, PA* (2011 – 2014)

- Student Computer Services Work Study
- ACM Competitive Computer Programming Team

INDEPENDENCE BLUE CROSS, *Philadelphia, PA* (2011 – 2013)

- Information Service Delivery Internships
 - Developed reports using Microsoft SQL Server Reporting Services for Service Delivery and other business areas
 - Constructed queries against HP Service Manager using Microsoft SQL Server Management Studio

EDUCATION

MESSIAH COLLEGE, *Grantham, PA* (2010 – 2014)

- Bachelors of Science in Computer and Information Sciences (May 2014)
Computer Science and Software Development Concentrations
- College Honors Program (Major GPA: 3.690, Cumulative GPA: 3.650)
- CIS Capstone Project – Intelligent Water Project – Reporting, Analytics, and Event Management Team

VOLUNTEER EXPERIENCE

SERVING IN MISSION, *Ouagadougou, Burkina Faso, West Africa* (2012)

- Computer Configuration, Maintenance, and Support and Network Installation and Configuration

RELEVANT SKILLS

PROGRAMMING LANGUAGES	DATABASE AND SEARCH	WEB DEVELOPMENT	METHODOLOGIES AND PATTERNS
<ul style="list-style-type: none">• C#• C++• JavaScript, TypeScript• PHP	<ul style="list-style-type: none">• Microsoft SQL• Entity Framework• MySQL, Doctrine ORM• Apache Solr	<ul style="list-style-type: none">• Microsoft IIS• Apache Web Server• React• CSS, SCSS	<ul style="list-style-type: none">• Agile, Scrum, Kanban• Continuous Integration• Dependency Injection• Factory Pattern