

Michael Santoro

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Education

- **Frostburg State University** June 2019 – May 2021
 - Master of Science in Applied Computer Science
 - 3.9 GPA
- **Towson University Honors College** Aug 2013 – May 2017
 - Bachelor of Science in Computer Science
 - 3.8 GPA

Job Experience

- Associate Software Developer (Back-End Focus) Feb 2019 – Present
Berkshire Associates Inc.
 - Built an internal file sharing application to handle secure data transfer to and from clients
 - Implemented chunking algorithm in the back-end to allow for efficient uploading of files up to 100MB
 - Designed responsive file upload/download notification emails with MJML
 - **Resulted in the adoption of this feature and removal of paid company licenses for Onehub services**
 - Created custom reporting to handle new California employee pay reporting requirements
 - Utilized T-SQL to generate employee pay data to be submitted to the DFEH
 - Generated excel files using C# to present the proper reports for clients to submit
 - **Resulted in significant revenue increase for reporting services sold across 105 clients in 23 states**
 - Designed EEO-1 Component 2 Pay Data reports
 - Employed Active Reports to present newly required data reporting for clients to be submitted in 2019
 - **Resulted in significant revenue increase for EEO-1 Component 2 services sold in FY19**
 - Developed a gRPC enabled .NET 6 application to transfer data out of legacy applications
 - Leveraged the performance of the Protobuf package to serialize and transfer data from legacy applications to their updated version
 - Implemented the bidirectional gRPC calls to send data and progress between applications
 - Contributed to a .NET 6 API project
 - Designed endpoints to manipulate and return SQL Server data to front-end application
 - Utilized the Repository and Unit of Work patterns to create clean database access
 - Implemented SonarQube scans to increase code quality and prevent security bugs
 - Wrote Unit tests to maintain functional API controllers and handlers
 - Developed and Maintained .NET 4.6 Web Applications
 - Resolved over 200 production bugs across 3 different ASP.NET Web Forms and MVC applications
 - Participated in over 20 production hotfixes and releases
 - Built and Tuned SQL Server Queries
 - Analyzed query plans to increase performance of existing stored procedures
 - Integrated R scripts to produce statistical reports to analyze pay data for clients
 - Used R Services within SQL Server 2016 to run the Wilcoxon Rank-Sum Test on employee data

Relevant Skills

Web	Version Control	Database	Other
<ul style="list-style-type: none">• .NET 6 (C# 10)• ASP.NET MVC (.NET 4.6, C# 6.0)• ASP.NET Web Forms (VB.NET)• Vue.js• AWS	<ul style="list-style-type: none">• Azure DevOps• Team Foundation Server• Git	<ul style="list-style-type: none">• Microsoft SQL SERVER 2019 and SSMS• Oracle Database and SQL Developer	<ul style="list-style-type: none">• Agile Software Development Principles and Practices• Data Structures and Algorithms• Data Visualization Using Angular JavaScript