

George Munoz

Software Engineer

Contact

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Skills

Visual Studio / Visual Studio Code

Microsoft SQL Server (TSQL)

HTML, CSS, SCSS, Javascript, jQuery

Testing and Maintenance

Database Management Software

Jira / Confluence / Agile

Robotics

C#, .NET, C++, Java, Python

AWS EC2, RDS, S3, SNS, SES, IAM

MongoDB Compass (No-SQL)

Azure Dev-Ops

LucidChart / Microsoft Visio

React, Next.JS, Redux

Angular

Experienced Software Engineer with a demonstrated history of working in the computer software industry. Skilled in .NET 8 (7 and 6), .NET Core 3.1, .NET 4.7.2+, ASP.NET Web Forms, MVC, Web API, WCF, LINQ (with query syntax as well as method syntax with lambda expressions), Entity Framework (Full and Core) (with Code-First and Database First implementations), SQL stored-procedures/tables/views/schemas, SQL Server Agent Jobs, indexing (tuning with DETA - Database Engine Tuning Advisor), profiling via SQL Server Profiler, JIRA (Scrum), Python, MSMQ (Microsoft Message Queuing), GitHub, Azure DevOps, Docker, AWS EKS (Kubernetes), ECS, IAM, EC2, RDS, SES, SNS, S3, Lambda Functions, Cloud Watch, Avalara (AvaTax API for integration with US Domestic/International Tax Calculations), Bootstrap, Knockout JS, Angular, .NET/C#, T-SQL, Javascript/Typescript, HTML, CSS, PowerShell, Java, Spring-Boot, Blazor WebAssembly/Server, React, NodeJS, NextJS, Git, AWS, Azure, Windows Server, MSSQL, MongoDB, Visual Studio / VS Code, and Eclipse, among others. Strong engineering professional with a Bachelor of Science (B.S.) focused in Computer Engineering Technology from DeVry University-Florida.

Work History

2024-02 -

Current

Full Stack Software Developer

The 1916 Company, Bala Cynwyd, PA

- Developed custom applications in NetSuite using SuiteScript 2.0/2.1 and Angular 16, incorporating Suitelet, Restlet, and Suite-QL for efficient data exchange between systems.
- Designed and implemented Mediators to streamline interactions between NetSuite and external applications.
- Maintained and optimized web applications on WISA stack while migrating from On-Premises to AWS services, including managing AWS EKS (Kubernetes), ECS, EC2, and RDS instances.
- Troubleshoot connection and security group issues in AWS and managed web servers on Amazon EC2 and On-Premises.
- Integrated applications with internal and external data sources using ODBC connections, SQL Linked Servers, and APIs.
- Led debugging and issue resolution using Visual Studio (Visual Studio Code) and Chrome/Edge debugging tools for both .NET and Angular projects.
- Created and optimized SQL stored procedures and PowerShell scripts for daily database maintenance and cloud migration tasks.

2022-11 -

2024-01

Sr Applications Developer

Amerijet International Inc., Miami, FL

- Led full stack web development projects, utilizing C# and ASP.NET Core 3.1 (and .NET 7), to create dynamic, user-centric solutions.
- Integrated Entity Framework Core (w/ Code-First and Database-First approaches) and SQL Server (on Azure) for robust data management.
- Developed various .NET Web APIs for system integrations, employing range of technologies including SSL, Basic-Auth, SFTP (utilizing WinSCP and SSH.NET libraries), and XML (De)Serializers for secure data exchange and integration processes.
- Enhanced user interfaces and application functionalities by developing new Blazor Server applications, integrating Radzen components for added style and functionality, leveraging latest in web development technologies to deliver dynamic, user-centric solutions.

Websites, Portfolios, Profiles

- <https://linkedin.com/in/george-munoz-dev>
- <https://george-munoz.dev>
- <https://github.com/george-munoz>

Languages

English

Native or Bilingual

Spanish

Native or Bilingual

French

Elementary

Italian

Elementary

Mongolian

Elementary

2016-05 -
2022-10

- Managed Azure DevOps for efficient Git repositories management, implementing Git Bash and Visual Studio integrations for streamlined source control and version management, as well assisting with migration from Subversion (Tortoise SVN).
- Executed rigorous unit and comprehensive testing protocols to ensure functional and technical excellence of software deliverables, driving quality and reliability in system outputs, including Unit and Regression Testing.
- Managed software development lifecycle and support activities, utilizing formal specifications, data flow diagrams, and various design techniques including Microsoft Visio/Lucidchart for comprehensive system design and architecture planning.
- Conducted thorough reviews of existing .NET applications to refine processes, reduce operating time, and introduce advanced programming techniques, enhancing system performance and user satisfaction.
- Fostered collaborative team environment by sharing knowledge on latest technology trends and standards, providing guidance and sample projects to uplift team's development capabilities and workflow efficiency.
- Developed SharePoint Framework Extensions (SPFx), including Application Customizers and custom page components, by leveraging React.JS for user interface enhancements and Visual Studio Code as integrated development environment, thereby streamlining development workflows and ensuring high code quality through extensive development tools and extensions.

Software Engineer

Watchbox | Govberg Jewelers | Watch-U-Want, Bala Cynwyd, PA

- Developed and maintained internal web applications composed of WISA stack.
- Used set of technologies to help facilitate as well as streamline internal processes. Some of these technologies included Amazon Web Services like AWS EKS (Kubernetes), ECS, IAM, EC2, RDS, SES, SNS, S3, Lambda Functions, Cloud Watch.
- Troubleshoot/updated AWS Security Groups when necessary during connection accessibility.
- .NET (VS), IIS, MS-SQL (SSMS and Razer SQL as SQL clients), HTML, CSS, JavaScript, GitHub (Git Bash).
- Made use of applications/services like Jira for project management and Confluence for project documentation (Atlassian) during Agile development, Slack and Outlook as regularly established communication channels.
- Maintained web-servers on Amazon EC2 instances and On-Premises prior to Cloud migration.
- Developed, maintained, and managed various SQL servers (MS-SQL On-Premises and on AWS RDS instances) (for numerous development environments) as part of DBA role.
- Worked with various team members to gather project requirements from business managers and executives.
- Troubleshoot site/applications bug/issues, find root-cause analysis and develop/deploy corresponding fixes, using Visual Studio (and Visual Studio Code) debugger as well as Chrome/Edge Debugging Tools.
- Integrated application with various internal/external data sources and services via ODBC connections, SQL Linked Servers, and APIs (including but not limited to currency conversion

among others).

- Modified existing ASP.NET Web Forms applications to correct coding errors, upgrade interfaces and improve overall performance, using Azure Application Insights on IIS/Site.
- Wrote SQL/PowerShell, Bash, Python scripts for daily maintenance activities, including indexes, tables analyses, and synchronization of objects from on-premises sources to target cloud services like Amazon (via AWS CLI tools), as well as data scraping and others.
- Rapidly prototyped new data processing capabilities to confirm integration feasibility into existing systems.
- Maintained REST API on Java Spring-Boot and MongoDB
- Managed/renewed SSL certificates on IIS Web-Servers
- Optimized SQL server stored-procedures using Database Engine Tuning Advisor (and SQL Server Profiler when needed).

2015-08 -
2016-01

Hardware/Software Engineer

Advance Robotix Corporation, Miami, FL

- Troubleshoot robotic systems, using knowledge of microprocessors, programmable controllers, electronics, circuit analysis, and sensors or feedback systems.
- Disassembled and reassembled robots or peripheral equipment to make repairs such as replacement of defective circuit boards, sensors, controllers, encoders, and servo-motor.
- Installed, programmed, or repaired programmable controllers, robot controllers, end-of-arm tools, or conveyors.
- Built and flashed original and custom firmware onto different flight controllers using terminals and/or other tools.
- Built, designed, or maintained scripts to extract data and automate web related tasks using web-scraping tools.
- Maintained up-to-date documentation and FAQ of products in development.
- Reviewed around 40 public relations emails on daily-basis and reply accordingly to any technical questions and/or redirect them to other corresponding departments.

2013-10 -
2015-07

Software Developer

Franklin Circles, LLC, Coral Gables, FL

Performed back-testing of Trading Strategies.

- Implemented multi-logic and distributed trading environment and Market Data API.
- Designed and implemented Android Applications using Java to consume market related data.
- Backed up files from web sites to local directories for instant recovery in case of problems.
- Designed and develop 1 mobile application for Android devices.
- Wrote, updated, and maintained computer programs or software packages to handle specific jobs such as storing or retrieving data.
- Maintained 5 relational Microsoft SQL databases.
- Specified users and user access levels for each segment of database.
- Developed/tested trading logic using Meta-Trader 4 (MT4) platform.
- Made use of Google Cloud's Prediction APIs with historical currency pairs pricing data for currency predictions.

Education

2010-01 -
2015-03

Bachelor of Science: Computer Engineering Technology

DeVry University - Miramar, FL

- Activities and Societies: Robotics Club, Tau Alpha Pi (TAP) [International Honor Society for Engineers], IEEE Member.

2006-08 -
2010-05

High School Diploma

Miami Killian Senior High School - Miami, FL

Additional Information

- Honors and Awards, 3rd Place - DeVry University Robotics Competition, Most Original Robot