

# Frank P. Runfola

System Architect | Charlotte, NC | 716-444-0703 | Frank.Runfola@gmail.com

## SUMMARY

Senior System Architect and Test Automation Developer with 10 years of professional experience building .NET and SQL applications and leading the technical design of automation solutions for healthcare transactions and reporting analytics.

## EDUCATION

**Bachelor of Science in Computer Science**  
*State University of New York, University at Buffalo*

*June 2015*  
*Amherst, NY*

## TECHNICAL SKILLS

Programming Languages: C#, Python, Java, VBScript, PowerShell, Bash, PHP, Robot Framework, HTML5, CSS, JavaScript  
Database Management: MS SQL Server (Transact-SQL, DDL, DML, Stored Procedures), MySQL, Oracle, Teradata, Sybase  
Development Tools: GitLab, Jenkins, Heroku, JIRA, Confluence, Visual Studio, VS Code, Eclipse, VIM, Power BI

## WORK HISTORY

**Test Automation Manager and System Architect**  
*Roswell Park Comprehensive Cancer Center (remote)*

*December 2022 - Present*  
*Buffalo, NY*

- Lead a team of automation engineers to deliver high-quality test automation solutions for processing full-cycle healthcare system data transactions and strengthen inter-department collaboration to innovate testing efforts.
- Partner with cross-team IT managers to prioritize technical initiatives, create timelines, and allocate technical resources via Agile methodology to combat evolving requirements amongst multiple senior stakeholders.
- Drive exploration of new automation tools, lead vendor software upgrades and organize technical team training.
- Architect revenue cycle management project testing to ensure AthenaDX system conversion quality and accuracy.
- Built Power BI dashboard reporting system using Python and GitLab RESTful APIs for extracting workflow metrics.
- Architect and build Jenkins workflow pipelines to automate patient data creation and full suite regression testing.
- Build out back-end Python utility library for extending reusable data object components used by Robot Framework.

**Senior Application Developer**  
*Highmark Health (remote)*

*September 2019 - December 2022*  
*Pittsburg, PA*

- Led Architecture redesign and programming of new document ingestion of insurance products archival system.
- Refactored old legacy business rules written in Python 2.4, into transportable C# objects by using RESTful APIs.
- Created Scan, Transform, and Load document processing APIs for Content Manager system storage optimizing.
- Oversaw the redesign and programming for subscriber email internal notifications system for viewing documents.
- Simplified document indexing to Page-Piece-Dictionary for easy JSON deserialization into flexible C# objects.

**Software Application Developer***January 2019 - September 2019**Centene Corporation**Getzville, NY*

- Created SQL scripts, stored procedures and database tables that supported central data configuration tables.
- Coded .NET MVC web page to flag document extracts with missing fields that were required for building claims.
- Built SQL Server Stored Procedures for viewing, updating, and inserting missing or incomplete patient fields.
- Wrote C# programs to process custom claim data to ensure workflow integrity and timely claim processing.
- Maintained electronic data interchange scheduling pipeline jobs that support X12 file transfer protocols.

**Application Developer I***June 2015 - January 2019**Highmark Health**Buffalo, NY*

- Wrote data analyzing programs with C#, T-SQL stored procedures, and SQL scripts to query member databases.
- Supported the operational pipeline of weekly healthcare insurance claim submissions totaling \$20 million.
- Built SQL Server relational database tables used to speed up processing time by replacing legacy claim workflows.
- Designed .NET Core RESTful APIs and SQL Server Stored Procedures for creating reusable functional components.
- Collaborated with business stakeholders to gather business requirements and create technical coding specifications.
- Maintained system applications by updating business rules while optimizing SQL scripts for speed and accuracy.
- Worked with QA leads and testers to build test plans that adhered to government mandated Medicare programs.

**Certifications****ISTQB Certified Foundation Level v4.0 Training***August 2023**Learning Tree International**Online*