

# Chris Gualpa

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## TECHNICAL SKILLS

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**Languages:** C#, SQL, JavaScript, Typescript, HTML/CSS

**Frameworks:** .NET Core, ASP.NET, Blazor, React

**Competencies:** API Integration, Data Transformation & ETL Processes, Microservices Architecture, CI/CD Pipeline Implementation, RESTful API Design & Development, Integration Security & Compliance

**Developer Tools:** TFS, Azure, Microsoft IIS, Visual Studio, Git, SSIS/SSRS

## EXPERIENCE

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### Integration Specialist

Feb. 2022 – Present

*NYC Department of Health and Mental Hygiene*

*New York, NY*

- Lead the design and development of an ETL solution to centralize clinical and environmental laboratory test orders from various applications across the NYC Department of Health implementing a REST API and SSIS packages
- Lead the design and development of an Integration Engine to handle real-time low latency TCPIP HL7 communication between NYC Public Health Laboratory and Oracle Cerner EHR (Electronic Health Record) system utilizing micro services
- Design and develop file and data transfers for result output data from newly implemented ETL Data Warehouse to conform to previous LIMS (Laboratory Information Management System) output
- Configure and manage CI/CD pipelines to target servers for multiple development and production environments
- Collaborated with cross-discipline stakeholders to configure solutions for various clinical and environmental workflows
- Collaborated with network engineers to configure and establish secure data connections between different systems, applications, and data transfer protocols in compliance with regulations regarding sensitive patient data
- Design and implement testing methodologies to maintain data integrity as well as ensure system stability due to hardware or network outage
- Maintain role and responsibilities of prior position as a developer for the NYC electronic test requisition ordering portal (eOrder)

### Software Developer

Aug. 2021 – Feb. 2022

*NYC Department of Health and Mental Hygiene*

*New York, NY*

- Implement features and manage maintenance of electronic test requisition ordering portal developed in ASP.NET MVC with a SQL Server DB
- Reduce application downtime and increase performance through refactoring and bug fixing
- Increase application security by fixing network vulnerabilities and request responses on the server
- Handle SSIS packages to transmit order requisitions from multiple DOHMH systems into Legacy LIMS system
- Coordinate rapid response implementations for Health Outbreaks, such as COVID variants and MonkeyPox, requiring rapid onboarding of new users and implementation of new test requisitions

### Jr SQL Developer

June 2019 – Aug. 2021

*Jetro Restaurant Depot*

*College Point, NY*

- Translate mainframe COBOL business and accounting logic into SQL
- Coordinate translation functionality with proprietary frontend framework meant to replace legacy mainframe system
- Develop internal tools for business needs in ASP.NET
- Implement features for managing marketing communications using CRM API
- Create SSRS reporting for financial analysis of business operations

## EDUCATION

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### University of Kentucky

*Bachelor of Science in Computer Engineering*

*Lexington, KY*

*Aug. 2013 – Dec 2018*