

# Tyler Johnston

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I am primarily a C# developer that has created and maintained software to manage sensitive client data in a simple and user-friendly manner. Utilizing Scrum methodologies, I led my team in creating a new application that attracted many new clients with its innovative design.

## Work Experience

October 2017 - August 2019 **Software Developer**, *ClassLink Inc.*

- Designed, implemented, and maintained a robust, backend, RESTful API written with C# in .Net Core to handle interfacing with the front end, managing business layer operations, and data layer processing.
- Designed, implemented, and maintained a MySQL database to securely store, and efficiently retrieve, sensitive user data.
- Designed and implemented efficient methods for interacting with Active Directory programmatically on behalf of users on various Windows versions.
- Followed Scrum methodologies such as sprints, sprint planning and daily standups along with tools such as JIRA to release working, incremental iterations of the project.
- Additional technologies used include Linq, MVC, Azure API, Google API, OAuth2 and JSON.

Summer 2016 **Software Development Internship**, *General Electric Global Research.*

- Designed a relational SQL database for real lab data storage and retrieval.
- Designed and implemented a GUI in Visual C# for non-programmer interaction with the database.

## Development Experience

2013 - 2017 **Course-work Related Projects**, *Rensselaer Polytechnic Institute.*

- By applying industry standard agile methodologies, designed, built, and analyzed a complete music visualization application with a team with a focus on the technical writing aspects.
- Designed and implemented a resource allocation framework based on polling with a partner using Python and SQL.

### Course-work Related Expertise.

- Proficiency in C and C++, object-oriented principles, functional and concurrent programming, multithreading.

## Education

2013 - 2017 **B.S. Computer Science**, *Rensselaer Polytechnic Institute*, Troy, NY, *GPA: 3.78.*

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