

# Gregory Ryan

## Junior Software Developer Profile

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GitHub: [www.github.com/GRy82](https://github.com/GRy82)

Technologically advanced and motivated individual with relevant skills and education in managing the full software development lifecycle – from concept through delivery of next-generation applications and customizable solutions. Broad knowledge in object-oriented programming concepts, C# programming language, .NET framework, data structures and algorithms proficiency, relational databases, NoSQL databases. Skilled in advanced development methodologies, tools and processes contributing to the design and rollout of innovative software applications. Articulate communicator with excellent interpersonal skills; foster and fortify productive relationships with key clients, colleagues, and senior management. Known for excellent troubleshooting skills – able to analyze code and engineer well-researched, cost-effective, and responsive solutions. Bringing a strong focus on “voice of the customer” into the software development function to ensure product and customer success.

## Education

### Full Stack Software Development Certificate

devCodeCamp, February 2021

- 104% average on individual projects, attaining all possible bonus points
- 101% average overall, graduating top of the cohort
- Selected by instructors to lead cohort's group capstone
- Co-leader of extracurricular whiteboard sessions for current graduates

### CS50's Introduction to Computer Science Certificate

HarvardX, October 2020

CS fundamentals

- Algorithms and data structures
- Completed Web and Game tracks
- Final project featured in HarvardX CS50 project gallery

Doctor of Physical Therapy

SUNY at Buffalo, May 2016

- Musculoskeletal, Neuromuscular, Cardiopulmonary, Integumentary

## Additional Experience

### Physical Therapist | Joint Ventures

Physical Therapy, November 2019 - October 2020

### Therapy Team Leader | Patriot All Pro PT,

August 2017 - November 2019

### Physical Therapist | McAuley Residence,

July 2016 - August 2017

## Technical Proficiencies

C#, Java, JavaScript, Python, HTML, CSS, SQL, Microsoft SQL Server, .NET core, Entity Framework, Node.js, Express.js, React.js, MongoDB, Mongoose, Löve2d, Git, Unix Command-Line, RESTful API, Postman API-testing, Trello, Dependency Injection, Asynchronous Programming, Unit Testing, Integration Testing, TDD, Heroku, Alexa Skills Kit

## Key Projects

### AutonoFit

**Overview:** Generates a randomized, yet appropriate exercise routine based on the user's fitness goals, their time constraints, and the equipment they possess. Do a one-time workout, or progress through a program.

**Technologies:** C#, ASP.NET core MVC, REST API

#### Features:

- Progressing reps and rest times until new exercise intensity is reached.
- Integrating lifting and cardio workout components at appropriate volumes and frequencies
- Mimicking clinical judgment of a specialist to prevent overtraining and injury.

### Poolball

**Overview:** Sports/billiards video game adaptation. Win this fast-paced game by defending your pockets and by scoring on your opponent's to unlock features.

**Technologies:** Lua, Löve 2d game engine, Aseprite

#### Features:

- AI computer player with behavior varying by difficulty mode.
- 2-dimensional collision physics achieved with implementation of physics and trigonometry.
- Original pixel artwork, animation, and music production.