

Zachary Hadjah

<https://zacharyhadjah.netlify.app>

<https://github.com/zhadjah9559>

Skillset

- Front end development using HTML, CSHTML, CSS, Bootstrap4, and Javascript
- Data Visualization using ChartJS and AJAX
- Structured Programming in C
- Object-Oriented Programming in C#, C++, and Java
- Implementing MVC and MVVM Design Architecture
- Authenticate and Authorize User accounts via Microsoft's Identity Framework
- Database Management via PostgreSQL and Microsoft Entity Framework Core
- Utilize Serilog to implement structured logging to Seq servers
- Implement Xunit tests paired with the Fleunt Assertions library
- Utilize Fluent Validations to validate Database information

Academic Background

Westfield State University

BS Computer Science

Sept 2016 - Dec 2020

- Data Structures and Algorithms
- SOLID Principles
- Object-oriented Programming
- Structured Programming
- Theory of Computation
- Low-level programming
- Operating Systems
- Test Driven Development

Experience

.NET Developer

Liberty IT Solutions | March 2021 - Present

- Create WPF Applications utilizing the C#, .NET Core, .NET5, Telerik UI technologies within a Micro Service Oriented Environment
- Implement Test Driven Development practices such as Unit Testing, Integration testing and Automated Acceptance Testing to ensure correct algorithm analysis, data management, and overall application functionality
- Participate in Stand up scrum meetings and agile development to ensure successful management of the Software Development life cycle (SDLC)
- Communicate with SQL Server DBAs, System Administrators, Data Storage Engineers, and Caché developers to troubleshoot issues. Design, code, test, debug, and document the developed solutions.

.NET Developer

Coder Foundry Bootcamp | December 2020 - March 2021

- Create Full Stack business applications utilizing .NET core, .NET5, C#, PostgreSQL, Entity Framework Core, and Visual Studio
- Implement industry-standard practices such as Scaffolding views and controllers via Microsoft's Entity Framework
- Implement Authentication and Role Based Authorization via Microsoft's Identity Framework
- Utilize the Wrapper method to ensure security for seeded database information
- You can read The article I wrote about implementing a Data Services file into an MVC application: <https://dev.to/zhadjah9559/data-service-30k8>
- Help fellow classmates with non-technical backgrounds understand concepts, pseudocode, SOLID principles, DRY principles, OOP, and loose coupling.
- Here is an article I wrote to help senior and mid-level developers better mentor their junior colleagues:
<https://dev.to/zhadjah9559/how-senior-and-mid-level-developers-can-better-teach-juniors-3h5a>
- Troubleshoot Entity Framework Core issues such as data migration errors inside the Package Manager Console pertaining to build errors and invalid entries
- Help fellow classmates debug and troubleshoot common build errors, unfamiliar exceptions, visual studio environment errors (linter, incorrect nuget packages, uninstalled updates, etc)
- Help classmates understand and implement techniques shown in class or from the Microsoft documentation
- Work together with developers and have Software Requirement Specifications walkthroughs, and daily Scrum Meetings. Weekly Code Reviews to ensure efficiency.
- Here are some articles I wrote to help other developers understand programming concepts and pseudocode:
 - <https://dev.to/zhadjah9559/the-5-concepts-everyprogrammer-must-understand-4g3e>
 - <https://dev.to/zhadjah9559/how-to-understandpseudocode-5bp1>
- Implemented Github source Control and CI/CD principles and deployed projects to Netlify and Heroku
- Here is the article I wrote in order to explain the importance of CI/CD and source control: <https://dev.to/zhadjah9559/why-cicd-is-so-important-422d>

PROJECTS

Check out some of the projects I've worked on:

- <https://tdddemo.herokuapp.com/>
- <https://zacharyhadjahmortgagemanager.netlify.app/>
- <https://zacharyhadjahfizzbuzz.netlify.app/>
- <https://zacharyhadjahtacocatgrammar.netlify.app/>
- <https://github.com/zhadjah9559/CalculateFibonacci/blob/master/CalculateFibonacci/Program.cs>
- <https://github.com/zhadjah9559/ReverseString/blob/master/ReverseString/Program.cs>