

# Martin Antilley

[mantilley1@gmail.com](mailto:mantilley1@gmail.com) • [github.com/antilley1](https://github.com/antilley1) • [linkedin.com/in/antilley1](https://linkedin.com/in/antilley1)  
903-521-1912 • Flint, TX • Open to Remote or Relocation

## CAREER SUMMARY

Software developer with experience in the .NET ecosystem, skilled in all phases of the software development lifecycle. Focused on improving code quality and maintainability through refactoring and cleaning up existing code. Passionate about understanding systems and logic at a deep level, with a commitment to continuous learning beyond language and framework expertise.

## SKILLS

.NET – C# – HTML – CSS – JavaScript – TypeScript – Java – Python – SQL – React – Git

## EXPERIENCE

### Technology Solutions Consultants

Lancaster, PA

*Software Developer*

November 2023 to Present

Technologies Used: .NET, C#, Microsoft SQL Server, Python, TypeScript, Vue.js, Azure DevOps

- Designed, developed, and maintained desktop and full-stack applications across multiple projects using .NET, WPF, Vue.js, C#, DevExpress, and Microsoft SQL Server.
- Implemented Redux-style (MVU) state management for predictable state updates, improving data flow and performance.
- Collaborated via video calls for pair programming and work item clarification, consistently delivering features and bug fixes on time in a 2-week sprint cycle.
- Achieved 100% test coverage for all added or modified code using NUnit and TDD, ensuring robust functionality and reducing errors
- Reviewed approximately 50% of company pull requests, providing actionable feedback to improve code quality and maintain project standards
- Optimized select database interactions by fine-tuning queries, reducing query time by up to 50% for targeted operations.
- Refactored specific legacy code using new C# features, reducing file size by over 60% in some instances while preserving functionality and readability.

### Southwest Transplant Alliance

Dallas, TX

*Software Developer*

July 2023 to September 2023

Technologies Used: .NET, C#, Microsoft SQL Server, Blazor, Entity Framework, Azure DevOps

- Designed, developed, and maintained internal software applications using ASP.NET, Entity Framework, Blazor, and Azure DevOps in a CI/CD pipeline.
- Built and deployed a real-time dashboard for tracking potential organ donors, enabling immediate adoption post-deployment and supporting life-saving decisions.
- Handled sensitive personal information in compliance with HIPAA, ensuring data security and adherence to regulatory standards.

## EDUCATION

### Western Governor's University

Salt Lake City, Utah

*Bachelor of Science – Computer Science*

May 2023

Selected Coursework and Projects: Data Structures and Algorithms I & II, Operating Systems, Advanced Data Management, Fundamentals of Information Security, Discrete Math I & II, Computer Architecture

[Predicting MLB Win-Loss Records Using Machine Learning](#) – Python, NumPy

[Efficient Routing Algorithm](#) – Python

[Inventory Management System](#) – Java, OOP

### University of Texas at Tyler

Tyler, TX

*Bachelor of Science – Mechanical Engineering*

May 2017

Selected Coursework and Projects: Finite Element Analysis, Matrix Methods, Probability & Statistics

Self-Balancing HVAC System Algorithm Development – C++, Arduino, LabView

Thermal Analysis of Insulated Windows – MATLAB

### Tyler Junior College

Tyler, TX

*Associate of Science – Mathematics*

May 2014

Selected Coursework: Calculus I, II, & III, Differential Equations, Programming for Engineers

## LICENSES & CERTIFICATIONS

Texas Professional Engineering License (Inactive)

2020

CompTIA Project+

2022

ITIL Foundation

2023