

Hassan Alvarado

📞 (312) 555-0186 ✉️ hassan.alvarado@example.com

🌐 linkedin.com/example/hassanalvarado 📍 Chicago, IL 60606

SUMMARY

Associate .NET Developer with two years of hands-on experience building, testing, and maintaining web applications with C#, .NET, **ASP.NET Core**, SQL Server, and T-SQL. Converts business requirements into maintainable features, **REST API endpoints**, reusable services, and reliable user workflows. Recent work includes **Entity Framework Core** data access, unit and integration testing with xUnit and Moq, production debugging, log analysis, code review, and Azure DevOps delivery. Brings a practical **Computer Science** foundation, steady analytical problem solving, and clear communication across fast-paced development teams. Eager to join Northstar Talent Solutions and contribute dependable software while continuing to grow through collaborative delivery, thoughtful review, and hands-on ownership across each application lifecycle stage.

EXPERIENCE

Associate .NET Developer

August 2024 - Present

BrightPath Software LLC

Chicago, IL

Supports customer-facing web applications across feature delivery, API development, database integration, testing, production support, and release documentation. Works with product partners and developers in a fast-paced Azure DevOps environment, translating approved requirements into dependable software with growing ownership across design, implementation, review, and maintenance.

- Developed customer-facing features in C# and **ASP.NET Core**, translating approved requirements into reusable services and maintainable workflows that supported dependable business operations.
- Designed REST API endpoints and connected **Entity Framework Core** with **SQL Server** through parameterized queries, preserving transaction accuracy across core business modules.
- Built xUnit and Moq unit tests plus integration tests for validation and regression coverage, giving delivery teams greater confidence before sprint releases.
- Investigated **production defects** through structured debugging, **log analysis**, and targeted reproductions, resolving customer-impacting issues without disrupting established business rules.
- Used Git branches, pull requests, peer code reviews, and **Azure DevOps** work items to keep implementation decisions traceable and coding standards consistent.
- Documented configuration changes, database dependencies, and release procedures, helping developers and support staff maintain applications during active delivery cycles.

.NET Developer Intern

January 2024 - July 2024

CivicCloud Solutions

Schaumburg, IL

Contributed under supervision to an internal ASP.NET MVC application, supporting controllers, Razor views, JavaScript interactions, SQL Server reporting, validation, testing, debugging, and deployment preparation. Built practical experience with source control, issue tracking, **technical documentation**, and team-based software delivery while presenting findings to senior developers before approved fixes moved forward.

- Built supervised enhancements for an ASP.NET MVC application with C#, Razor, **JavaScript**, and SQL Server, improving internal workflows within established review practices.
- Wrote **stored procedures** and refined data retrieval for reporting screens, checking results against functional requirements and representative records before user acceptance testing.
- Added form validation and error handling for account-management workflows, helping users submit complete information during team-led acceptance sessions.
- Prepared unit tests and manual test cases for controllers and services, recording reproducible defects in Azure DevOps with expected and observed outcomes.
- Traced issues through **Visual Studio**, application logs, and database queries, then presented findings to senior developers before implementing approved fixes.
- Maintained Git branches, technical notes, and deployment checklists, building disciplined habits around **source control**, documentation, and collaborative releases.

PROJECTS

Service Request Web Portal 📅 2025

Created a C# and ASP.NET Core portal for service requests, using REST APIs, Entity Framework Core, SQL Server, validation, and role-based workflows. Added xUnit coverage and clear release notes so users and reviewers could follow each request from submission through resolution.

Reporting Data Quality Toolkit 📅 2024

Built a SQL Server reporting toolkit with T-SQL stored procedures, parameterized queries, exception handling, and test records. Focused on trustworthy results, easier troubleshooting, and cleaner handoffs between application developers and business reviewers.

LEADERSHIP & AWARDS

- BrightPath Delivery Recognition, 2025: Recognized by engineering leadership for dependable production troubleshooting and clear release documentation.
- University of Illinois Chicago Computer Science Achievement Award, 2024: Honored for strong application of software engineering and database concepts.
- Technical Peer Mentor, BrightPath Software LLC, 2025: Helped newer developers review Git workflows, test coverage, and practical debugging steps.

EDUCATION

Bachelor's Degree in Computer Science
University of Illinois Chicago GPA: 3.7
Coursework: Object-Oriented Programming, Database Systems, Web Application Development, Software Engineering

2024
Chicago, IL

CERTIFICATIONS

- Microsoft Learn: Build Web Apps with ASP.NET Core 📅 2025
- Microsoft Certified: Azure Fundamentals 📅 2025

TECHNICAL SKILLS

- **Programming Languages:** C#, JavaScript, T-SQL
- **Web Frameworks:** ASP.NET Core, ASP.NET MVC, Razor
- **Database Systems:** SQL Server, Relational Databases, Stored Procedures
- **Data Access:** Entity Framework Core, Parameterized Queries, Data Retrieval
- **API Development:** REST APIs, REST Endpoints, Transaction Processing
- **Testing Tools:** xUnit, Moq, Unit Testing
- **Testing Methods:** Integration Testing, Manual Testing, Regression Testing
- **Development Tools:** Visual Studio, Git, Azure DevOps
- **Web Technologies:** HTML, CSS, JavaScript
- **Delivery Methods:** Agile Development, Pull Requests, Peer Code Reviews

SKILLS

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|----------------|-------------------------|-----------------|----------------|
| • C# | • SQL Server | • JavaScript | • Git |
| • .NET | • T-SQL | • HTML | • Azure DevOps |
| • ASP.NET Core | • Entity Framework Core | • CSS | • Unit Testing |
| • ASP.NET MVC | • REST APIs | • Visual Studio | |

PROFESSIONAL AFFILIATIONS

- Association for Computing Machinery, Professional Member, 2024 - Present: Participates in software development discussions and continuing technical learning.
- Chicago .NET User Group, Member, 2024 - Present: Connects with local developers through talks, code discussions, and practical application work.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST