

Joseph Cassano

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Technical Skills

TDD Nunit / MSTest	Clean Architecture Microservices	Visual Studio 2010 - 2022
C# SOLID Principles	Project Management	Jenkins
ASP.NET Core Web API	Agile Methodology	Jira
ASP.NET MVC Razor	Technical Candidate Screening	Crucible / Fish Eye
SQL Relational Database Design	Application Security Engineering	SpiraTeam
.NET MAUI	DevOps, CI	Postman
Xamarin iOS / Android, Forms	Domain Driven Design	Team Foundation Server
Git	Cucumber / Selenium Automation	Burp Suite Proxy

Work Experience

Senior Application Architect

Self Employed

January 2023 – Present

- Designing an application in C# which will run on Windows, Linux, iOS, Android, and Mac for remote personal coaching using .NET MAUI in .NET 7.
- Architecting ASP.NET Core Web API microservices using Domain Driven Design and bounded contexts that will be hosted on Microsoft Azure
- Regularly practice writing clean code by using SOLID principles and TDD with AutoMock, Moq, and MSTest
- Write use case diagrams, architectural class diagrams, and agile features with thorough acceptance criteria

Lead Developer / Researcher

Neuroweapon Forensics

January 2018 to March 2023

- Created mobile applications to detect as well as generate sound at various frequencies
- Researched neurological weapon technology, neuroscience, electromagnetism, radar systems and countermeasures
- Created a protocol that can be implemented to reverse engineer military grade neurological weapon systems and detect neurological weapon attacks
- Designed a website and social media content to provide information about the illegal use of neurological weapons in the United States
- Petitioned government organizations to implement a protocol to stop, detect, and prevent neurological weapon attacks

Lead Mobile Developer

PrizeLogic

October 2016 to September 2017

- Lead the mobile development team to produce iOS and Android applications with C# in Xamarin that communicated over Bluetooth to an IoT device for a Fortune 100 company
- Created a standard to write user stories for manual test cases and setup automated integration tests
- Lead and performed mobile application DevOps using Jenkins for automated builds
- Performed project management duties including interviewing future employees, providing project timeline estimates, and writing user stories

Senior Software Developer

Isagenix

October 2015 to October 2016

- Implemented software requirements in a large scale e-commerce system including shipping, product catalog, and order processing by performing full stack development in C#, ASP.NET, Xamarin, SQL, and WinForms
- Participated in retrospectives and agile planning meetings
- Refactored an API written in C# to make the code more unit testable while providing an example to other members of the team

Software Engineer

Great Lakes NeuroTechnologies

September 2013 to September 2015

- Worked on a team to create brand new iOS and Android applications in Xamarin which communicate to a medical device over Bluetooth to identify tremor severity
- Rewrote a WPF application in C# that interfaces to an exercise physiology device
- Used SpiraTeam to write, execute, and log manual test case runs while automating many manual test cases using Selenium for web and Appium for mobile
- Performed code reviews in Crucible to ensure product quality
- Participated in agile story point planning to assist with project timeline estimates

Application Developer II

Software Answers

October 2010 to September 2013

- Lead the architecture and implementation of multiple public facing web applications written in C# and ASP.NET MVC
- Worked as a member of the Product Quality Team refactoring code to eliminate technical debt, adding test cases and fixing bugs to improve the software
- Used the OWASP Top 10 to improve software security
- Leveraged KANBAN and the agile methodology to produce new features

Application Developer Analyst

Proforma

January 2009 to October 2010

- Experienced the full software development life cycle as part of a development team that implemented a custom version of Microsoft Dynamics AX 2009 used by over 700 franchises throughout the country.

Education

Bachelor in Computer Science

Kent State University - Kent, OH