

William DiStefano

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Professional Experience

Computer Aid, Inc.

January 2015 – Present

- **SOFTWARE ARCHITECT**

Architect and developer supporting multiple software systems. Responsible for architecting, planning, and directing the activities of technical personnel involved in the architecture, design, and development required for new and existing applications

- **Active Secret Clearance**
- Provided technical guidance and oversight to the development team on best practices and policies
- Collaborated with management to ensure the effective delivery of high quality products to customers on time and on budget.
- Collaborated with management to establish and maintain architecture principles, branching and merging strategy, and development standards and guidelines
- Created several technical solutions that included architectural solution design for new applications (web and mobile), approach to hosting, goals, constraints and quality (performance, reliability/availability, and security) of the solution
- Responsible for the architecture and directing of development for the MEGATRACK Container Management System which included the following technologies:
 - Azure Mobile Apps - Offline Data Synchronization
 - Azure App Services
 - Azure SQL Server and SQLite
 - Web Client: ASP.NET MVC, Telerik Kendo UI
 - Architecture: MVC, N-layer, Repository and Unit of Work patterns
 - Mobile Backend: ASP.NET Web API
 - Mobile Client: Xamarin Forms
 - Architecture: N-layer, MVVM pattern
 - Languages: .NET 4.6.2 (C#) and JavaScript
 - Version Control: git
- Established a complex CI/CD pipeline for an existing product using Visual Studio Team Services, PowerShell, and Azure services

- **SENIOR PROGRAMMER ANALYST**

Senior Developer responsible for the design, estimation, architecture, and development of solutions for multiple software systems.

- Projects: Food Safety & Health Safety
 - Full stack development with focus on clean code and SOLID principles.
 - Architected and developed a flexible configuration system that provides end users with the ability to fully customize page functionality and design
 - Web Client: ASP.NET MVC, WebForms, jQuery
 - Architecture: N-layer
 - SQL Server 2012-2016
 - Languages: .NET 4.5.2 (C# and VB.NET) and JavaScript
 - Version Control: VSTS and TFS

- **SENIOR PROGRAMMER ANALYST**

Senior Developer responsible for the design and development of solutions for the Defense Property Accountability System (DPAS).

- Defense Property Accountability System (DPAS)
 - Full stack development following an agile development methodology
 - Technologies: C#, VB.NET, WebForms, JavaScript, jQuery, TFS, SQL Server 2012
- Barcode Scanning System
 - Responsible for the architecting and developing of a prototype barcode scanning system
 - Technologies: C#, ASP.NET MVC, JavaScript, jQuery, SQL Server 2012

Pennsylvania State University**July 2010 – October 2013**

- **PROGRAMMER ANALYST III** (Research Informatics & Computing)

- Responsible for the architecture and development of many small to mid-size software systems for Penn State University
- Worked directly with stakeholders to gather requirements, design, and develop software systems
- Organized and led user groups, training sessions, and meetings
- Architected and developed the public-facing software systems: Penn State Profiles and Student Undergraduate Research Internship Program (SURIP)
- Technologies: MySQL, SQL Server, PHP, CakePHP, JavaScript, JQuery, C#, ASP.NET, Python, Bootstrap

PerformCare**January 2009 – July 2010**

- **PROGRAMMER**

- Full stack development of internal utility applications to improve productivity and efficiency of managing and processing claims
- Technologies: VB.NET, C#, WebForms, Visual Basic 6, VB Script, SQL Server 2008-2010

Penn State Milton S. Hershey Medical Center**June 2007 – December 2008**

- **PROGRAMMER**

- Full stack development of internal applications to assist and support the research conducted at the Penn State College of Medicine
- Worked directly with the end users to gather and translate functional requirements
- Technologies: MySQL, PHP, CakePHP, JavaScript, JQuery

EDUCATION & ACHIEVEMENTS

- Pennsylvania State University M.S. Software Engineering April 2013
- Pennsylvania State University B.S. Information Systems May 2009
- Harrisburg Area Community College A.S. Computer Networking June 2006
- CompTia Security+ November 2017
- Microsoft Certified Professional 70-483 Programming in C# November 2017
- Secret Security Clearance Active January 2018