

Senior Application Developer Senior Application Developer Senior Application Developer - Mercer Engineering Research Center Zebulon, GA Work Experience Senior Application Developer Mercer Engineering Research Center - Warner Robins, GA July 2017 to Present Perform full-lifecycle design, implementation, and unit testing of software including requirements development, modeling and design, operational flight program development, unit to CSCI testing, integration, formal system testing, release, installation, and maintenance for the ALQ-161A used in the B-1B aircraft

Technologies: Ada 2012, GNAT Pro IDE, CodePeer, Wind River for embedded systems

Standards: CMMI Level 3, MIL-STD-498, ISO 9001, ISO/IEC DIS 12207 and MIL-Q-98558A

Architect/Lead Developer Moss Hill Technologies, LLC - Zebulon, GA March 2006 to Present

Architect/Lead Developer US Air Force August 2016 to July 2017 Developed client-server and embedded components of a mission critical application for the US Air Force used to control defensive systems for A-10 and F-16 aircraft. Created functional design documents, software design documents, use-cases, interface design documents, programmer's manuals, user's manuals, data dictionaries and other customer documentation Developed primary support components, business objects and GUI

Technologies: C#, Visual Studio 2012/2010/2008/2005 IDE, SQL Server 2005/2008 R2, Model View ViewModel (MVVM) design pattern, Object Oriented Programming (OOP), WCF, WPF, Crystal Reports, XML, UML, NHibernate, LINQ. C++ using Wind River 6.9 and 6.53 for embedded systems. Standards: CMMI Level 3, MIL-STD-498, ISO 9001, ISO/IEC DIS 12207 and MIL-Q-98558A

Senior Software Engineer Mercer Engineering Research Center January 2016 to August 2016 Develop web applications using the latest Microsoft technology stack for the Aging Fleet Integrity and Reliability Management Multiplatform (AFIRM-M) Platform Design, develop, and document primary components of the web application

Technologies: C#, Visual Studio 2014 IDE, Azure SQL Server and SQL Server Express 2014, MVC (Model-View-Controller) design pattern, Object Oriented Programming (OOP), WCF, WPF, Azure (Microsoft Cloud Services), XML, Entity framework, LINQ, jQuery, bootstrap, JSON.

Senior Software Engineer Terma North America September 2006 to December 2015 Requirements creation, software design, development, code, test and documentation for Windows based mission data tool

and embedded software components to control defensive systems for several military aircraft.

Technologies: C#, Visual Studio 2012/2010/2008/2005 IDE, SQL Server 2005/2008 R2, Model View ViewModel (MVVM) design pattern, Object Oriented Programming (OOP), WCF, WPF, Crystal Reports, XML, UML, NHibernate, LINQ. C++ using Wind River 6.9 and 6.53 for embedded systems.

Standards: CMMI Level 3, MIL-STD-498, ISO 9001, ISO/IEC DIS 12207 and MIL-Q-98558A Senior Software Developer Georgia Governor's Office of Planning & Budget April 2007 to September 2007

Create web services to support smart client application and provide an interface to the Ektron content management system Created enhancements to internet based budget allocation system

Designed and developed additional stored procedures and develop additional reports to improve user experience and reduce user wait time Updated primary support components and business

objects Modify ASP.NET pages, C# business and data objects Technologies: ASP.NET 2.0, C#,

Visual Studio 2005 IDE, SQL Server 2005, Object Oriented Programming (OOP), SQL Server

Reporting Services, XML, Ektron CMS. Senior Application Developer Georgia Governor's Office of

Planning & Budget March 2006 to September 2006 Developed Internet based budget allocation

system Developed primary support components and business objects Technologies: ASP.NET

2.0, C#, Visual Studio 2005 IDE, SQL Server 2005, Object Oriented Programming (OOP), SQL

Server Reporting Services, XML. Imaging and Web Systems Product Manager and Technical/Team

Lead Axiom Corporation - Atlanta, GA December 1997 to February 2006 March 2005 - February

2006 Designed, developed and coordinated Internet based project to provide a Legal Document

Management System for law offices. Responsible for management tasks such as developing the

project schedule, managing resources and timelines and managing customer expectations.

Managed a team of four (4) developers Created and maintained project schedules, staff

assignments and management reporting Technologies: ASP.NET, C#, Visual Studio 2005 IDE,

SQL Server 2000, XML, Object Oriented Programming (OOP), Microsoft Project Senior Application

Developer Department of Human Resources January 2004 to January 2006 January 2004 - January

2006 Designed, developed and coordinated client-server project to provide Document

Management and Vital Event Registration for the State of Georgia; Department of Human

Resources; Vital Records Division. Responsible for management tasks such as developing the project schedule, managing resources and timelines and managing customer expectations.

Technologies: C#, .NET Remoting, AES 256-bit Encryption, Visual Studio 2003 IDE , SQL Server 2000, Object Oriented Programming (OOP), Microsoft Project, Crystal Reports, WinForms and XML.

Senior Application Developer State of Georgia Vocational Rehabilitation Services Department June 2003 to January 2004 Designed and developed client-server application to provide Document Imaging functionality for the GROW line-of-business applications for the State of Georgia Vocational Rehabilitation Services Department in order to control the training and payment of service providers for Vocational Rehabilitation patients. Technologies: Visual Basic.Net, .NET Remoting, AES 256-bit Encryption, Visual Studio 2003 IDE, SQL Server 2000, Oracle, Object Oriented Programming (OOP), Crystal Reports, WinForms

Senior Application Developer Lexington County January 2003 to June 2003 Designed and developed client-server application to provide Document Imaging functionality for the Lexington County line-of-business applications. Technologies: Visual Basic.Net, .NET Remoting, AES 256-bit Encryption, Visual Studio 2003 IDE , Progress Database, Object Oriented Programming (OOP), Crystal Reports

Team Lead and Senior Application Developer State of Georgia Department of Human Resources June 2001 to January 2003 June 2001 - January 2003: Lead technical team member to develop an internet based application for the State of Georgia Department of Human Resources used to support the Child Support Enforcement Division (\$TARS). Designed and developed technical specifications, primary support components, business and data objects Technologies: Visual Basic 6.0, Active Server Pages (ASP), Visual Interdev, DB2 Database, System Network Architecture (SNA), Object Oriented Programming (OOP), Active Reports, XML

Senior Application Developer Roosevelt Warm Springs Rehabilitation Hospital August 2000 to June 2001 Converted Medical Records Imaging application at Roosevelt Warm Springs Rehabilitation Hospital from ODBC to ADO for Oracle. Updated controls from the original Visual Basic 4.0 versions to Visual Basic 6.0 to support the Warm Springs Hospital staff and provides HIPAA compliant secure access to Medical Records. Technologies: Visual Basic 6.0, Oracle Database, Object Oriented Programming (OOP), Crystal Reports, WinForms

Senior

Application Developer State of Georgia Mental Health Division April 2000 to August 2000 application for State of Georgia Mental Health Division. Technologies: Visual Basic 6.0, Active Server Pages (ASP), Visual Interdev, Oracle Database, Object Oriented Programming (OOP) Senior Application Developer State of Arkansas Sales and Use tax and Income Tax Divisions January 2000 to April 2000 Technologies: Visual Basic 6.0, Oracle Database, Object Oriented Programming (OOP), Crystal Reports Application Developer State of Georgia Department of Human Resources February 1998 to January 2000 This application has been heralded as one of the most successful ever implemented for the Department of Human Resources. Technologies: Visual Basic 6.0, Visual Interdev, Active Server Pages (ASP), Oracle Database, Object Oriented Programming (OOP), Crystal Reports Application Developer State of Georgia Vital Records Division December 1997 to February 1998 Technologies: Visual Basic 4.0-5.0, Oracle Database, Object Oriented Programming (OOP) Web Developer Southern Company Services January 1997 to December 1997 Developed Internet based HR system to create job postings, assess skill requirements, apply online, and display available job listings. Tools Catalog shopping cart using Visual Studio 6, Visual Basic, ASP and Oracle, JPEG images and online purchasing Technologies: Visual Basic, Visual Interdev, Active Server Pages (ASP), Oracle Database, Object Oriented Programming (OOP), Crystal Reports Application Developer - Contractor Southern Company Services - Atlanta, GA June 1987 to December 1997 Client-Server Developer Southern Company Services December 1994 to January 1997 Designed and developed application used in the calculation and distribution of management bonuses for Southern Company executives. Developed components for a Job based time accounting system for Georgia Power Designed and Developed a Nuclear Inventory Catalog used to determine salability and demand of nuclear plant parts using Visual Basic 4.0 and Oracle Technologies: Visual Basic, Visual Interdev, Active Server Pages (ASP), Oracle Database, Object Oriented Programming (OOP), Crystal Reports IDMS/COBOL Mainframe Developer Southern Company Services June 1987 to December 1994 Developed applications for Farley Nuclear Plant Information Management System used for Inventory Management, Document Management, Procurement and Certification NUCLEIS - Nuclear plant management system for Southern Electric

International a division of Southern Company. Technologies: IDMS, COBOL, REXX, MVS, VM
Education Bachelor of Science in Informatics in Informatics Mercer University 2019 Attended in
Computer Science University of Georgia 1981 to 1986 Skills .net, Visual studio, Application
development, C#, C++, Embedded systems, Git, Html, Javascript, Bootstrap, Json, Wcf,
Object-oriented, Object-oriented programming, Visual basic, Xml, Crystal reports, Db2, Sql server,
Sql server 2012 Additional Information Core Competencies Project Vision, Strategy, Scope, Risk,
Issue & Change Management, Software Delivery Life Cycle Business & Client Relations, Resource
& Budget Planning, Team Development and Leadership Security Clearance: Secret
TECHNICAL SKILLS Languages: Ada 2012, C#, C++, CSS, eXtensible Markup Language (XML),
HTML, Java, JavaScript, JSON, LINQ, PowerShell Script, Visual Basic Technologies: .NET
Remoting, Active Reports, AES 256-bit Encryption, ASP.NET, Azure, bootstrap, CodePeer, Crystal
Reports, Ektron CMS, Embedded Systems, Entity Framework, GIT, JIRA, jQuery, nHibernate, SQL
Server Reporting Services, Unity3d, Windows Communication Foundation (WCF), Windows
Presentation Foundation (WPF) Development Environments: GNAT Pro IDE, Visual Studio
2017/2014/2012/2010/2008/2005, Eclipse Databases: DB2, Oracle, SQL Server
2012/2008/2005/2000, MySQL Standards and Methodologies Agile, CMMI Level 3, ISO 9001,
ISO/IEC DIS12207, Rapid Application Development (RAD), MIL-Q-98558A, MIL-STD-498, Model
View Controller (MVC), Model View View Model (MVVM), Model View Server (MVS), Waterfall,
Object-Oriented Programming

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