

Gregory Dombchik

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EDUCATION

James Madison University

B.B.A., Finance and Computer Information Systems, minor in Economics
Cum Laude

August 1993 – December 1997

PROFESSIONAL EXPERIENCE

Gregory Dombchik, LLC

February 2014 – Present

Digital Management, Inc. (DMI)

January 2013 – January 2014

Science Applications International Corporation (SAIC)

July 2007 – October 2012

IBM Corporation (*Formerly PricewaterhouseCoopers Consulting, LLP*)

December 1997 – July 2007

Gregory Dombchik, LLC

February 2014 – present

- Create, configure, maintain, and update the functionality, layout, content, and security for non-profit websites.
 - Performed an audit, conversion, and deployment of the non-profit websites to a WordPress content management system.
 - Modified WordPress themes and plugins to provide designed functionality to the websites.
 - Update websites to be more mobile friendly.
 - Update the content and layout of non-profit websites.
 - Performed general website maintenance including configuration and deployment of a website to the non-profits' web hosting company, software updates, and website security.
 - Created a testing environment for the non-profits to safely review their website and provide feedback before deployment to a live site.
 - Provide the non-profit with design, technical, and admin documentation.

Technical Environment: WordPress (PHP, MySQL, jQuery).

Defense Technical Information Center (DTIC), Unified Research & Engineering Database (URED)

January 2013 – January 2014

Unified Research & Engineering Database (URED) is the integration and modernization of research and engineering reporting databases. The major purpose of the databases is to collect information about research and development that is funded by the Department of Defense.

- The technical lead whose primary responsibility includes maintaining a web-based system that allows for rapid data entry, mining, analysis, and report creation. Data is collected through a user interface, xml upload module, and web services.
 - Provided technical and procedural direction to the team and customers to ensure requirements were met.
 - Modified the code base that satisfied new requirements and fix documented Bugzilla bugs.
 - Ported the URED web application to be used on a JBoss application server to a Tomcat webserver.
 - Ported web services from WS02 to Axis2 on Tomcat.
 - Wrote multiple MySQL store procedures and functions to transform the URED data.
 - Created the Application Developer Environment Setup Instructions document.

Technical Environment: Tomcat, Hibernate, Spring, Java Server Pages (JSP), MySQL, jQuery, Axis2, Maven.

Theater Effects Based Operations (TEBO) Project, Theater Operational Planning and Assessment Service (TOPAS)

July 2007 – October 2012

Theater Operational Planning and Assessment Service (TOPAS) is a series of web-based software service modules which integrate Joint Operational Planning processes within a COCOM, JTF, Brigade, and supporting Components. It provides a logical and flexible framework for common understanding and knowledge sharing during each major step in the Joint Operational Planning process. Specifically, TOPAS provides Role-Based Planning, Multiple Plans/Tasks /Events Management and Synchronization, CoG Intel Analysis, CDR Decision Support, Strategic/Operational Assessment (with inputs from Tactical), and MS Office Reports and Briefing auto-generation Capabilities.

Involved in all the developmental phases of the application:

- Create transform files that migrates the data for version 1.4.
- Web service implementation using version 1.6 data model.
- Implementation of the persistence layer for version 1.6 roles and support plan.
- Creation of the export service layer using IBATIS Data Mapper.
- Creation of the Status Gadget for the Dashboard Component written in EXT GWT.

- Maintenance of the web user interface, service layer, and data access layer of the Administration section; which includes such components as import and export reference, metadata, and operational data.
- Wrote DDL and DML scripts to be used by the upgrade service.
- Sufficiently proficient in web development technologies MyFaces Trinidad (JSF Framework) and Ext JS to build the TSCMIS front end and fix numerous documented software bugs throughout multiple sections in TOPAS.

Technical Environment: Tomcat 6, Hibernate, Spring, XMLBeans, MyFaces Trinidad, Ext JS, Axis2, GWT, EXT GWT, IBATIS, SQL Server 2005.

United States Postal Service, Transportation Optimization Planning and Scheduling (TOPS)

2006-2007

The Transportation Optimization Planning and Scheduling (TOPS) system assists USPS in planning and managing its complex transportation network. The objective of TOPS is to provide the advanced modeling capabilities necessary for USPS to efficiently plan and manage the transportation network, reducing future transportation costs while maintaining or improving upon current service requirements. TOPS Phase 2e Release 1, involves enhancements of the TOPS Optimizer, and design, development, and implementation of the Air Manager. TOPS Optimizer is able to analyze the USPS domestic air and surface transportation network and suggest optimal solutions that can be implemented by the TOPS Manager. Release 2 and Release 3, will include the completion of the Surface Manager and integration of components to form a complete end to end system. The other primary goal of Release 3 is to replace a USPS legacy system viz., NASS. TOPS uses Iterative method of software development and based on Object Oriented Design principles.

- Involved in all the developmental phases of the application. Build new user interface functionality, conducting deployment and testing, gathering requirements, constructing a development environment, incorporating 508 compliance, and generating design documentation for the TOPS project.

Technical Environment: IBM Websphere 5.1, Java Server Pages (JSP), Form Beans, Tile Definitions, Struts and Hibernate Configuration, Crystal Enterprise Server 10, IBM Rational Clearcase and Clearquest, ILog CPLEX 9, Solaris 10, Oracle 9.2.

Internal Revenue Service, Individual Taxpayer Burden Module (ITBM)

2004-2006

The goals of the IRS Taxpayer Burden Model task are to measure and model the level of taxpayer compliance burden. "Taxpayer compliance burden" is the cost to taxpayers that is comprised of both in-time activities and out-of-pocket expenses, of complying with tax laws and regulations. These activities include record keeping, tax planning, and learning, gathering resources, completing forms, and disseminating and verifying information. The IRS Burden Model is implemented as a micro-simulation model using Java, the Microsoft NT operating system and a relational database (MySQL). The burden model equation was developed using tax return data and information from taxpayer surveys. Phase 1 of the project involved the delivery of the Wage & Investment Model. Phase 2 of the project called for the inclusion of handling for self-employed taxpayers and the development of an Integrated Model. Phase 3 includes handling for small business taxpayers.

- Involved in all the developmental phases of the application.
- Built software components to provide greater functionality to the application and analyzing, designing, constructing and implementing multiple new and current graphical user interfaces for the application. The screens for the application were built with Java Swing components.
- Updated the application database structure.
- Updated the java documentation using the JavaDoc tool.
- Implemented unit and system tests with the JUnit testing framework.
- Updated the reporting tool JaserReports.
- Used the modeling tool Rational XDE in designing the class components using the Unified Modeling Language.

Technical Environment: Java Swing (jdk 1.4.2), Eclipse, MySQL (version 4.1.1a-alpha-nt), Jasper Reports, Apache Ant Build File, JUnit Test Suite, JavaDoc Documentation, Nullsoft Scriptable Install System, PVCS Version Manager, Rational XDE, Unified Modeling Language (UML).

United States Marine Corp, Marine Corps Action Tracking System (MCATS)

2003-2004 The United States Marine Corps ("USMC") hired IBM to develop a web-based workflow management system using object-oriented technologies. USMC also proposed enhancements to the systems in addition to the conversion of its existing system. The conversion would provide the USMC with a web application which would be better equipped to handle their increased user population. IBM converted the existing web application written in Microsoft Active Server Pages (ASP) application into a Microsoft ASP.NET application.

- Improved the data integrity of the application by further normalizing the database and converted front-end SQL queries in the ASP files to back-end stored procedures.
- Taught .NET concepts and best practices to the developers that were new to the Microsoft platform.
- Work products created coding standards for teammates and a .NET subject matter expert for additional employees.
- Key component in the functional redesign of the MCATS web application including screen and graphic layouts.

Technical Environment: ASP.NET, .NET Framework 1.1, Visual Basic Language, Oracle 8i Store Procedures, Oracle .Net Oracle Provider, Internet Information Server 6.0, Windows 2000, HTML, JavaScript, Macromedia Fireworks and Dreamweaver, Erwin.

IBM, Navy Revenue Projection System (NRPS)

2003

The Navy Revenue Projection System ("NRPS") assists project managers to track current projects, staffing, project leads, and revenue projections for navy engagements contracted by IBM.

- Technical lead, database developer, and web designer and developer for the NRPS web application.
- Used a modeling tool to design the logical and physical design of the NRPS database.
- Converted all data modification statements for the web NRPS application into back-end stored procedures.
- Directed the IBM development staff in creating an environment for database and source files.
- Satisfied functional specifications according to IBM managers' directives.
- Responsible for overseeing the developers' tasks, providing them with assistance when required, and ensuring their assignments were met according to the project's timeline.

Technical Environment: ASP.NET, .NET Framework 1.1, Visual Basic Language, SQL Server 2000 Store Procedures, Transact SQL, Internet Information Server 6.0, Windows 2000, HTML, JavaScript, Macromedia Fireworks and Dreamweaver, Erwin.

In addition, provided software engineering services to the following ventures:

United States Department of Defense (DoD), Defense Logistics Agency (DLA)

2000-2003

DLA required an analysis and assessment of its and the U.S. Army's wholesale logistics organizations, physical sites, and electronic support systems. IBM was hired to build the DoD Critical Infrastructure Protection ("CIP") Plan for Logistics Database. The CIP Plan for Logistics database is the first certified and accredited secret database to be implemented at DLA headquarters at Fort Belvoir, VA by DLA.

Koninklijke PTT Nederland (KPN), KPN.com

1999-2000

KPN, the largest Dutch telecommunication company, partnered with IBM to design, develop, and deploy an integrated e-commerce channel.

Pension Benefit Guaranty Corporation (PBGC), Integrated Pension Valuation for Future Benefits (IPVFB)

United States Department of Defense (DoD), Office of the Actuary

1998-1999

PBGC asked IBM to downsize its mainframe-based system and redevelop the PC Lotus-based system into a single integrated PC/LAN-based client/server system.

United States Department of Transportation (DOT), Federal Aviation Administration (FAA), Year 2000 (Y2K) Program Office

1997-1998

The ATS Y2K Project Office desired an application that would allow it to easily access category costs by phase and fiscal year, easily access procurement requests associated with the categories, and easily access the balance of procurements (PR) to be funded.

CERTIFICATION

Sun Certified Programmer for the Java 2 Platform 1.4

M101J: MongoDB for Java Developers (MongoDB 3.0)

PROFESSIONAL ORGANIZATIONS

DC Java User Group (<http://www.meetup.com/dc-jug/>)

DC TECH Meetup (<http://www.meetup.com/DC-Tech-Meetup/>)

WordPress DC (<http://www.meetup.com/wordpressdc/>)

DC PHP Developer's Community (<http://www.meetup.com/DC-PHP/>)

DC Agile Software Testing Group (D-CAST) (<http://www.meetup.com/dcast-io/>)

TECHNICAL EXPERIENCE

Languages:

JAVA, Hibernate, Spring, IBATIS, XMLBeans, Apache MyFaces Trinidad, Ext JS, JSTL, JavaScript, jQuery, GWT, EXT GWT, XML, PHP, .NET, Visual Basic, SQL, VBScript, BroadVision, Isomorphic SmartClient, Node.js, AngularJS, D3.js.

Databases:

MySQL, MongoDB, SQL Server, Oracle, Access.

Version Control System:

Subversion, Git.

Content Management Systems:

WordPress.

Testing Frameworks:

JUnit, TestNG, Selenium WebDriver, Cucumber (Gherkin), Jasmine, Protractor, Karma.

Continuous Integration:

Jenkins.