



OpTech Project Profiles

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Government Profiles

Ethical Hacking/Security Initiative

Government

Project Summary

Developed various web applications including waynecounty.com, waynecountylandrecords.com, waynecounty.epurchasing.com, and a Katrina evacuee information intake site. Performed vulnerability assessments and penetration testing of various websites.

Technology Platform

Windows 2000 and XP, Windows Server 2003

Tools Used

Visual Studio .NET, Dreamweaver, Notepad, and other security testing tools.

OpTech's role in the project

Security Analyst / Software Developer

Java Programming Project

Government

Project Summary

Worked on the MICR (Michigan Incidental Crime Report), which records incidents from counties and sends them to the FBI via various third party interactives such as NIBRS. Converted the existing mainframe/linc programming to a client/server based system. This required rewriting the entire MICR system in Java, with an Oracle backend.

Tools Used

Java, J2ee, EJB, XML, XSLT, Crystal Reports, My Eclipse, Cvs, Pvc, Jboss, Tomcat, Oracle, Data Bridge.

OpTech's role in the project

Java programming, design, development, implementation and deployment

Report Writing Project

Government

Project Summary

The CMH Link Reporting System is a reporting application that caters to the reporting needs of various departments of Detroit Wayne County Community Mental Health Agency (DWCCMHA). Reports are written based on the end user's requirements and reports are published through a .Net web application.

Technology Platform

Microsoft Windows 2000 Professional

Tools Used

Crystal Reports, PDF, Asp.Net, Ado.Net, C#, SQL Server, T-SQL

OpTech's role in the project

Write reports in Crystal Reports for Mental Health Agency

Develop new code and support existing code for CMHLink Reporting System application in ASP.NET, C#, SQL SERVER and ADO.NET.

Geographic Information System Migration

Government

Project Summary

OpTech implemented a countywide Geographic Information System. Major projects included an upgrade of the Emergency 911 GIS system, Ortho Image QC, and a migration of the GIS Application.

Technology Platform

Windows 2000, SQL Server 2000

Tools Used

ArcGIS 9.x, ESRI software, VB/ASP. Net/ VBA

OpTech's role in the project

Developer / Team lead

Project Management, GDLS

Government

Project Summary

Offshore initiative to include account applications adhering to security/ITAR government regulations for sensitive data.

Technology Platform	<i>UNIX</i>
Tools Used	<i>Various software / development tools</i>
OpTech's role in the project	<i>Oversee Project Management to ensure deliverables are met on time and within budget.</i>



Oracle ASP Property Tax Administration Project

Government

Project Summary

Provided application enhancement and support of the PTA (Property Tax Administration), an Intranet application used by the county treasury department to monitor delinquent taxes. The application features a user-friendly front end.

Technology Platform

ASP, Oracle 8i

Tools Used

SQL Navigator, SQL Plus, Visual Interdev.

OpTech's role in the project

Senior Application developer, involved in the enhancement and production support of the application.



Offshore Secure Data Initiative and Defense Re-supply System

Government

Project Summary

Offshore initiative to include account applications adhering to security/ITAR government regulations for sensitive data.

Technology Platform

UNIX

Tools Used

*Various security tools
(confidential)*

OpTech's role in the project

Project Management

Property Tax Administration System

Government

Project Summary

The Property Tax Administration System (PTA) is a web-based intranet application, which deals with delinquent taxes for the county. The application provides functionality to accept taxes, provide inquiry, handle properties in forfeiture/foreclosure, maintain properties in bankruptcy, and conduct auction of the foreclosed properties.

OpTech was responsible for production support, enhancement, user access and creating ad hoc/standard reports.

Technology Platform

Oracle 8i, Active Server Pages (ASP), Visual Basic 6.0

Tools Used

Microsoft Visual Studio 6.0, SQL, SQL Plus, SQL Navigator, Microsoft Access 2000

OpTech's role in the project

Lead Developer

Avaya Technology Consulting

Government

Project Summary

- Provide an experienced Telecom administrator for Avaya Communications Manager
- Daily programming support of MAC's (moves, adds, changes and deletes), setting up new users.
- Administration of Intuity and Octel voicemail systems.
- Troubleshoot and resolve trouble tickets and communicate with internal customers.
- Experienced in ACD call center environment, VDN's, vectors and use of CMS (Call Management System) and CMS supervisor.

Technology Platform

Avaya Voice Platforms (G3r, G3SI, System 85)

Octel Voicemail

Tools Used

Dell PC / Microsoft Office Suite

Avaya Site Administration

VDN and Vector programming (Expert Agent)

CMS (Call Management System)

OpTech's role in the project

Focus is on daily administration support for MAC's, handling incoming trouble tickets and resolve user problems.

Provide technical knowledge to Help Desk support team

Maintain data base records and work on voice projects assigned by management.

NetRMS (NetRecordsManagementSystem)

Government

Project Summary

This project involves data migration (SQLServer to Mainframe) from NetRMS to AICS Database.

OpTech's consultant was involved in writing SQL Scripts, performing data transformations, writing transformation code in Java, and writing AntBuilds and Windows batch scripts.

Technology Platform	<i>MyEclipse5.1, Eclipse 3.2, SQLServer2000, DTS, Ant 1.7, JDK1.4.2</i>
Tools Used	<i>Java/J2EE, SQLServer2000, DTS in SQLServer, AntBuilds, Windows Batch Scripting, VB Client</i>
OpTech's role in the project	<i>Java Developer</i>

Data & Process Modeling, Requirements Analysis Services

Government (Federal Transit Administration)

Project Summary

OpTech provides Federal Transit Administration (FTA) a team of experts that deliver Requirements Analysis and Data & Process Modeling services. The OpTech team is preparing an "As-Is State" technical data model of the existing Grants database and related processes. The model is intended to provide a common, consistent way of categorizing and describing data to facilitate data sharing and integration, and aid in describing the types of interaction and exchanges that occur within the FTA and between other Federal, State and local governments accessing the system. Over the previous year's many changes have been made to the system with incomplete or inaccurate documentation.

Technology Platform

Federal Transportation Administration proprietary Grants database system, utilizing ERWin modeling tools.

Tools Used

The OpTech Team is utilizing ERWin as its primary modeling tool and is active in meeting with SMEs within the FTA and outside contractors and agencies to identify new as well as existing processes.

OpTech's role in the project

Document existing data and processes, support the definition of new requirements, develop new processes, and feed those outputs into the existing FTA change management processes. Meet with all groups interfacing with this system to gather an up-to-date model of the current processes involved in the Grants System.

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Recruiting Specialist – Intel Analysts Joint Intelligence Operations Center

Government

Project Summary

PACOM JIOC at Pearl Harbor, Hawaii provides direct intelligence support for all military forces assigned to CRDUSPACOM. The scope of this project is to provide recruitment management support of all on/off island recruitment initiatives for PACOM JIOC. These recruitment initiatives include job fairs, a Cooperative Education Program and an Intern Program. The team members have Secret and Top Secret Clearances and interact with DIA and DOD on-going programs.



Technical Computer Training Project SPAWAR InTech Training

Government

OpTech is providing SPAWAR InTech Training with ad hoc training services throughout the Pacific Rim. Certified Instructors provide training services in Microsoft certified courses, UNIX, CompTIA, Cisco Training and PC Applications. The main training center is located in Pearl Harbor, Hawaii, but the training may also be provided in Japan, and Okinawa.

In some cases, these Instructors need to have Secret or Top Secret Clearances to allow them access to the systems for which they are providing training.