



[www.PhillAllen.com](http://www.PhillAllen.com)

phill-allen@att.net

Creative, innovative, passionate senior domain architect, software engineer, developer, administrator, media creator with over 30 years of experience pursuing a challenging career encompassing architecture, engineering, design, and development of business and internet solutions leveraging today's value-added technology to build progressive solutions that exceed client expectations.

### **Web Development Skills**

Java, Javascript, ASP.NET, C#, VB.Net Classic ASP, VBScript, AJAX, CSS, XML, XSLT, DHTML, HTML, PHP, Perl, Web Services, SOAP APIS, COM/COM+

### **Development Environments**

Windows OS, AIX (Unix), Linux, AWS, JIRA IIS, WebSphere, Apache, Tomcat, Eclipse, MS Visual Studio Code, MS Source Safe, Visual Basic, VBA, OOP, OOD, UML

### **Database Skills**

IBM DB2, Microsoft SQL Server, Oracle, Sybase, Microsoft Access, mySQL

### **Content Management Skills**

IBM FileNet Architect, Developer, Administrator, IBM Enterprise Records, Custom APIs, IBM Content Collector, Watermark Imaging

### **Report Development**

BIRT Reports, Crystal Reports, SQL Server Reporting Services, Adobe Acrobat, Brio (SQR), eForms, Cognos Reports

### **Multi-Media**

Corel Paint Shop Pro, Corel Video Studio, Adobe Photoshop, Adobe Premiere

### **Productivity Software**

MS Office Suite, MS Office VBA, MS Publisher, MS Project, MS Visio, MS SharePoint

### **Business Skills**

Technical Writer and Documentation Specialist  
Technical Instructor, User Trainer,  
Consulting and Presentations,  
Business Requirements Facilitation,  
Design, Development, Integration and Support,  
Lead Engineer Multiple Project

## **Comerica Bank**

### **SENIOR SOLUTION ARCHITECT**

October 2012 - Current

3501 Hamlin Road, Auburn Hills, MI 48326

(800) 266 3742

Provide solution and software architecture, development, installation, integration, software support, reverse engineering, technical documentation, training and mentoring across varied technical expertise for mission critical enterprise level solutions. Assignment areas include but not limited to; FileNet ECM, Business Process Management and Automation, Case Management, Content Collection, Java, Javascript, ASP.NET, VB.Net, C#, DB2, SQL Server, MS Access, WebSphere, Unix, Windows, Linux, GUI design and development, report development and delivery over the intranet.

- Senior Software Architect, Technical Lead and mentor for multiple projects around FileNet ECM including;
  - Develop architecture and migration from on-premises FileNet Platform to AWS Cloud including migration of 30 million documents across 11 Object Stores, centralized Record Management File Plan, Content Search Services, 29 Custom Components



- Performed Multiple large migrations (20+ Million Images) from legacy systems such as FileNet Panagon Image Services, multiple custom ECM platforms requiring custom ingestion tool development.
- Implementation of Enterprise Records solutions for implementing content life cycle management
- Development and implementation of Case Manager Solutions
- Integration to internal mainframe, windows solutions, and external systems such as web services APIs to provide data and images to core FileNet P8
- Installation configuration and development of content collection and ingestion solutions including IBM Content Collector and Bulk Import.
- Development of custom workflows to automate business and system processes including Record Management
- Development of custom solutions to extend capabilities such as custom indexing, exporting and automation of content management.
- Reporting solutions developed and delivered via Cognos BI and conversion to BIRT Reports.
- Technologies: FileNet P8, Content Engine, Process Engine, Workplace XT, Content Navigator, Case Manager, IBM Enterprise Records, IBM Content Collector, WebSphere, DB2, SQL Server, AIX (Unix), Linux, Windows, Java, Javascript, ASP.NET, C#, VB.Net, Web Services, Share Point.

## Custom Business Solutions

**SENIOR TECHNICAL CONSULTANT**  
December 2006 – December 2014

40480 Grand River Ave., Suite 107, Novi MI 48375  
(248) 478 5300

Provide software development, software support, reverse engineering, technical documentation and expertise of mission critical application for global fortune 500 clients. Assignment types include but not limited to; ASP.NET, C#, Java J2EE, SQL Server, Oracle and Access Databases, GUI design and development, Report development and delivery over the intranet. Reverse engineering of legacy systems for support and upgrade to new environments. Involved in implementation of full software development life cycle; requirements gathering, design, development, data modeling, implementation and support, FileNet Document Management Solutions, WSDL, SOAP.

- Working for Health Care industry client, providing support, maintenance, and enhancements to legacy systems built in MS Access. Working with client on migration plans to move data and applications from MS Access into SQL Server and into SQL Server Reporting Services, ASP.NET, C#, and Web Services based solution. Performed after hours while working for Comerica at the same time.
  - Technologies: MS Access, SQL Server, SQL Server Reporting Services, ASP.NET, C#, SOAP.
- Reverse Engineering of multiple large complex MS Access Database solutions containing many Forms, hundreds of Queries and Reports and many modules of VBA code. Solutions also interact with SQL Server Databases containing many tables and millions of records. Deciphered application functionality and reporting without the aid of documentation and staff knowledge of solutions. MS Access solutions included from multiple departments with disparate functionality and data sources.
  - Technologies: MS Access
- Design, Develop, Testing and implementation of mission critical government mandated applications to extract sensitive information for financial services firm and provide reports to governmental agencies. Provided design and technical documentation, over 20 test scripts, mentored support staff to takeover application at end of project. Built custom Web UI and Ajax Controls for application to add value and meet client needs.



- Technologies: Full Life Cycle Process, ASP.NET, C#, Web Services, Javascript, AJAX, XML, XSLT, SOAP, SQL Server, IIS, Crystal Reports.
- Design, Develop, Testing and implementation of content management portal for managing; access to internal applications, reports and other content for internal clients.
  - Technologies: ASP.NET, C#, Web Services, SOAP, Javascript, AJAX, XML, XSLT, SOAP, SQL Server, IIS, Crystal Reports.
- Working for Fortune 500 commercial and retail financial institution client, converted Microsoft Access database single table model into a robust relational database and application built in client's environment using Oracle database and Websphere Application server.
  - Technologies: JAVA, JDBC, JSP, Javascript, AJAX, Oracle, Websphere, Microsoft Access, Crystal Reports.
- Reverse engineered, documented and provide support of existing Microsoft Access Database application used for processing high profile foreign currency exchanges in millions of dollars on a daily basis. Reverse engineered ASP.NET C# windows application built to interface with Microsoft Access databases. Re-engineered applications to interface with Microsoft SQL Server via web based interface built on ASP.NET and C#. Design, Develop and implement content management portal for managing; access to internal applications, reports and other content.
  - Technologies: ASP.NET, C#, Javascript, AJAX, SQL Server, IIS, Microsoft Access, Crystal Reports.
- Designed, developed and implemented in-house candidate registration application for gathering candidate information at different job fairs throughout the year.
  - Technologies: Microsoft Access, VBA, Flash.
- Provide consulting expertise for FileNet Panagon, FileNet P8 and other enterprise level solutions for Fortune 500 commercial and retail financial institution. Development of internal solutions to support ongoing maintenance of FileNet systems and web interface solutions including Web Services using SOAP and WSDL.
  - Technologies: FileNet P8, VB, VBScript, Javascript, XML, XSL, ASP, COM/COM+, ActiveX, Ajax, DHTML, FileNet Panagon, SQL Server, IIS, SOAP, WDSL., Unix Scripting.

## **Pyramid Solutions, Inc.**

**SENIOR INTERNET SYSTEMS ENGINEER**  
March 2003 - December 2006

30150 Telegraph Suite 200, Bingham Farms, MI 48025  
(248) 549 1200

Develop, implement and maintain large complex mission critical intranet solutions for global fortune 500 clients. Projects arenas include but not limited to; FileNet Document Management Solutions, Java J2EE, Web Servers, Web Application Servers, Relational Database design and maintenance, Graphical User Interface design and development, Report development and delivery over the intranet. Involved in implementation of full software development life cycle; requirements gathering, design, development, data modeling, implementation and support.

- Senior Systems Engineer as part of a team developed and implemented ECM/BMP solutions for one of the top mortgage insurance companies in the United States. Responsible for customization, re-engineering, development and implementation of custom web services framework and interface. Lead Engineer of FileNet migration utilities to export and import work items and work item data from FileNet eProcess into a new instance of eProcess and database tables.



- Technologies: VB, VBScript, Javascript, XML, XSL, ASP, COM/COM+, ActiveX, Ajax, DHTML, Java, JSP, Servlets, Eclipse, FileNet Panagon, SQL Server, IIS.
- Lead Engineer of custom application integration solution for large automotive client. Integration of FileNet P8 office automation solution into Adobe Acrobat allows users to capture documents directly from Acrobat into FileNet P8 from Acrobat's Menu.
  - Technologies: FileNet Integration Toolkit, Adobe Acrobat SDK, C++, Full SDLC.
- Java J2EE consultant engineer worked on state government ECM/BMP solution to re-engineer existing proprietary solution built on FileNet Panagon into IBM Content Manager/MQ Series Workflow to meet client's existing and new business rules and environment requirements.
  - Technologies: Java, Servlets, JSP, J2EE, EJB, JUnit, IBM MQ Series Workflow, IBM Content Manager, DB2 UBD, Eclipse, Web Sphere.
- Java J2EE lead to create custom in-house solution for the sales team to provide tools to load, manage, delete and reload documents and workflow items into FileNet P8 via web-based demo solutions. This system provided the sales team with integrated customizable scripts for the management of documents in FileNet P8 Content Engine (ECM) and the creation and management of work items into the FileNet P8 Process Engine (BPM).
  - Technologies; Java, J2EE, JSP, JUnit, Eclipse, Struts, JSF, XML, FileNet P8, Tomcat, IIS.
- Java J2EE consultant on a team with non-java engineers worked to re-engineer the existing ECM/BPM framework from ASP/COM+ solution into the J2EE environment. This web services framework is the foundation for all imaging solutions for imaging clients. This solution design allows for customization for different clients, and is extendable to allow client solutions to include custom functionality not provided by the framework. This is a scalable solution allowing other business units to leverage the existing framework to add new lines of business to the solution.
  - Technologies; Java, J2EE, JSP, JUnit, XML, XSL, Eclipse, Tomcat, Servlets, Struts, JSF, FileNet P8, SQL Server, Oracle, Full SDLC.
- FileNet consultant sent to work at FileNet to provide support for testing FileNet Content Federated Services solution that bridges FileNet P8 Content Engine to FileNet Image Services. On-site at FileNet worked with the client support personnel by implementing and testing the CFS solution in their labs. Provided feedback and troubleshooting to identify improvements and overcome obstacles with the implementation and use of the CFS solution.
  - Technologies; FileNet P8, Content Engine, Image Services, Content Federated Services
- Lead Engineer worked onsite with top mortgage company to develop EDI solution to send encrypted packages of documents to third party via SFTP. The Visual Basic solution runs on a nightly schedule to read in data and documents and convert to an encrypted XML file which is then loaded to an extranet FTP server The third party downloads 3600 documents daily on average via this process.
  - Technologies; Visual Basic, XML, DTD, SFTP.



- Senior Engineer of an on-site team developing and supporting ECM/BMP solutions for one of the top mortgage companies in the U.S. Responsible for customization, re-engineering, development and implementation of custom web services framework and web interfaces. Provided consultation on implementing development, test and staging environments to improve the life cycle process of solutions and aided in setting up implementation scheduling for production changes.
  - Technologies; Visual Basic, VBScript, Javascript, XML, XSL, ASP, COM/COM+, ActiveX, DHTML, FileNet Panagon, Oracle, Full SDLC.
  
- Lead Engineer of a team developing an international web-based solution for client working with top automotive corporation. Designed, developed and implemented web solution that provided access to education administrative profiles and education materials. Users were able to add their own educational profiles and materials to the web site via an email approval process. The site provided reports generated via Microsoft Excel spreadsheets using SpeedGen tools. This solution presented at an international automotive education symposium received rave reviews and the automotive corporation looked to extend and promote the solution to all of their automotive educational providers around the world.
  - Technologies; IIS, SQL Server, ASP, ADO, VBScript, DHTML, SpeedGen, Graphic Design (PaintShop Pro), Full SDLC.

## **Computer & Engineering Services, Inc.**

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### **SENIOR INTERNET SYSTEMS ENGINEER**

June 1996 - March 2003

2055 Crooks Road, Rochester Hills, MI 48093

(248) 293 5200

Development, implementation and maintenance of large complex intranet and B2B Solutions for DaimlerChrysler Motors Corporation including but not limited to; Chrysler Realty intranet applications for property management, document storage and retrieval applications, photo image management system for intranet applications, administration of Watermark (FileNet) and IBM Content Manager Document Imaging Systems, dealer facing B2B applications through development, implementation and support.

- Lead Engineer developed solution to provide auto dealers with the ability to update their Owner Loyalty coupon information over the extranet. This solution provides information in a 7000-byte layout used to create the millions of dealer coupons that go out to their customers each quarter. This solution replaced a traditional paper system that used a third party to perform data entry and management of the data for the dealers. Data sent to a third party vendor for printing and distribution. I received two 'Recognition of Achievement' Awards from DaimlerChrysler for the successful completion of this project that is saving the company \$500,000 annually.
  - Technologies; Perl, DHTML, Javascript, Sybase, Javascript, Netscape Web Server, Solaris (Unix), SDLC, GUI, Graphic Design (PaintShop Pro, Photoshop). This was later re-engineered to the Java environment using; WSAD, Java, JSP, Servlets, J2EE to be integrated with the Dealer Connect Portal.
  
- Lead Engineer re-engineered solution for the Chrysler Realty group to manage the real estate documents for storage and retrieval from existing Watermark web solution to IBM Content Manager and Java web applications. Create a GUI for document retrieval and provided installation and system administrator support for IBM Content Manager, hardware and software.
  - Technologies; Java, J2EE, EJB, WSAD, DB2 UDB, IBM Content Manager, Windows Servers, GUI, Graphic Design (PaintShop Pro, Photoshop).



- Lead Engineer created a web interface to manage Sybase SQL Server databases for developers including; Create, View, and Modification of tables, views, and stored procedures. Other groups across the corporation adopted this internal project for managing their Sybase RDBMS via the intranet.
  - Technologies; Perl, Javascript, DHTML, Sybase, Netscape Web Server, Solaris (Unix), GUI, Graphic Design (PaintShop Pro, Photoshop)
  
- Lead Engineer worked with team to develop and maintain enterprise wide internet dealer portal providing dealer information across the entire corporation including remote users across the country and to third parties. This included managing security requirements, application integration into the portal and ongoing support. Field personnel access this portal across North America via the intranet.
  - Technologies; Perl, DHTML, Javascript, Netscape Web Server, Sybase, SQR, Jetform, GUI, and Graphic Design (PaintShop Pro, Photoshop).
  
- Lead Engineer re-engineered solution for Chrysler Realty group to manage the real estate information for payments, billings, appraisals and inspections on over 1200 dealer properties. This web solution re-engineered from a thick client VB solution. It provides access to view and update pertinent dealer real estate information for the business unit and their third party brokers over the intranet across North America. This also provides information to the realty general ledger system to allow for payment and billing information that the general ledger processes to send bills and statements to property owners and tenants.
  - Technologies; Perl, DHTML, Javascript, Netscape Web Server, Sybase, SQR, Jetforms, GUI, Graphic Design (PaintShop Pro, Photoshop).
  
- Lead Engineer re-engineered the Chrysler Realty group's solution for Chrysler Realty Group Canada to manage the real estate information for payments, billings, appraisals and inspections on dealer properties. This web solution was a thick client VB solution that provides access to view and update pertinent dealer real estate information for the business unit and their third party brokers over the intranet across North America. This also provides information to the Canadian realty general ledger system to allow for payments and billings that the general ledger processes and sends to property owners and tenants. Need to meet unique requirements and environmental differences for this group including security and access for Canadian third parties.
  - Technologies; Perl, DHTML, Javascript, Netscape Web Server, Sybase, SQR, Jetforms, GUI, Graphic Design (PaintShop Pro, Photoshop).
  
- Lead Engineer developed solutions to provide field personnel the ability to load dealer photographs into the dealer intranet portal and programmatically integrate them in to the Chrysler Realty system and other dealer systems within the corporation. The solution dynamically scaled and adjusted the images for use on the intranet and created thumbnails of the images to make the navigation of dealer photos more efficient. This included photos from third parties such as from inspections and appraisals in the field.
  - Technologies; Visual Basic, Perl, DHTML, Javascript, Netscape Web Server, Sybase, SQR, Jetforms, GUI, Graphic Design (PaintShop Pro, Photoshop).
  
- Lead Engineer developed a solution for Chrysler Realty group to provide on-line legal realty documents, which the system fills with data from the realty system database and presents to the field personnel and brokers. The field personnel and brokers are able to print completed documents ready for signatures. This solution saves the cost of repeated mailing of updated documents and saves thousands of dollars on an on-going basis. As documents



change the system is updated and these updated documents are made available immediately to the field saving them time and providing accurate documents quickly.

- Technologies; Jefrom Forms, Perl, DHTML, Javascript, Sybase, Netscape Web Server.
- Lead Engineer created a web-based/print brochure for the Chrysler Realty group to provide field personnel with access to interior décor samples for use in dealerships. The interactive site allowed users to review the approved materials for use in the dealerships including flooring, carpeting, counter tops and other décor materials. Part of this project included providing print materials and making these materials available for field personnel to print on-site.
  - Technologies; Perl, DHTML, Javascript, Netscape Web Server, Sybase, SQR, Jetforms, GUI, Graphic Design (PaintShop Pro, Photoshop), Adobe Acrobat.
- Lead Engineer developed a cross-platform solution for the Service Contracts group that loads data from the existing mainframe system into web-based electronic forms that field personnel update. The system stores the data in a Sybase database and sends updates to the mainframe database. The system also generated reports to assist with database integrity on the mainframe.
  - Technologies; Perl, DHTML, Javascript, Netscape Web Server, Sybase, SQR, GUI, Graphic Design (PaintShop Pro, Photoshop), FTP.
- Lead Engineer and System Administrator for Watermark Imaging solutions for Chrysler Realty group. System Administrator was responsible for Watermark imaging system including hardware and software support. Lead Engineer developed 'on-of-a-kind' solution making Watermark storage and retrieval functionality available over the intranet.
  - Technologies; Perl, DHTML, Netscape Web Server, Watermark, MS Access, GUI, Graphic Design.
- Lead Engineer developed Sales and Marketing solution to deliver reports via the internet to corporate Palm Pilot users. System gathered on-going updated data from files provided by Sales and Marketing servers that were converted into reports for use with the Palm Pilot. This data updated every 15 minutes provided remote uses with the most accurate information available from Sales and Marketing.
  - Technologies; Perl, DHTML, Netscape Web Server, Web-Clippings, Palm OS, Palm Pilot Emulator, GUI, Graphic Design.
- Lead Engineer developed a secure phone directory system using existing data from corporate system and made available internationally via the internet to corporate Palm Pilot users. Custom solution tested successfully from Europe during corporate meetings as a proof of concept for future Palm Pilot solutions.
  - Technologies; Perl, DHTML, Netscape Web Server, Sybase, Web-Clippings, Palm OS, Palm Pilot Emulator, GUI, Graphic Design.
- Lead Engineer developed solution for Chrysler Realty group to manage the real estate information for payments, billings, appraisals and inspections on dealer properties. This Visual Basic thick client solution provides access to view and update pertinent dealer information for the business unit and their third party brokers to access dealer real estate information over internal networks across North America. This also provides information to the group's general ledger system to allow for payments and billings that the general ledger processes and sends to property owners and tenants.



- Technologies; Visual Basic, Sybase, GUI, Photoshop.

## **Compuware Corporation**

### **PROGRAMMER/ANALYST**

31440 North Western Highway, Farmington Hills, MI 48334

January 1995 - May 1996

(586) 737 7300

Designed, developed and implemented a project management application based on the design of Project Workbench to include user-defined fields in Paradox. Custom applications created in Microsoft Excel using multi-dimensional spreadsheets with macros and GUI tools.

- Technologies; Paradox database, Microsoft Excel, VBA.

## **U.S. Computer Services**

### **FILENET PROGRAMMER**

5220 Robert J. Matthews Parkway, El Dorado Hills, CA 95630

February 1994 - December 1994

(916) 939 4580

Design, development, administration and support of FileNet document imaging system for Customer Services Department including WorkFlo application development, System Administration and project management. The development environment included; Novell Network, HP(IBM) RS6000, PCs, FileNet document imaging Server and Paradox, PowerBuilder, Visual Basic, and other software tools. Develop scan station solutions for scanning documents into imaging system.

- Technologies; FileNet Workflo, FileNet Imaging, Unix, Paradox, Powerbuilder, Visual Basic.

### **SOFTWARE ANALYST**

5220 Robert J. Matthew's Parkway, El Dorado Hills CA 95630

July 1990 - February 1994

(916) 939 4580

Customer service and software support for cable corporations and regional service centers. Supporting billing software designed on Tandem and Honeywell platforms. Provide software solutions and support, technical documentation specialist, and technical training specialist.

- Technologies; Microsoft office applications, Lotus productivity software, JCL mainframe jobs,

## **Christ Community Church – Volunteer Work**

### **MULTI-MEDIA MINISTRIES DIRECTOR**

25140 Kelly Road, Roseville, MI 48066

June 1998 - July 2006

(586) 776 5452

Responsibilities include providing multi-media solutions to enhance worship services and special events. Manage and train a team of operators to run presentation software solutions integrated with live performances weekly. Provide graphic design and video solutions choreographed and integrated with live performances, custom advertising materials and other presentation solutions. Provide print media support including monthly support as newsletter editor and desktop publishing designer for other church advertising and publications.

- Technologies; Grassroots - Sunday Plus, Jasc - PaintShop Pro, Adobe - Photoshop, Adobe - Premiere, Macromedia - Flash, MS - Power Point, MS - Publisher.



**Phillip Allen**

**Senior Software Engineer**

## Certifications, Training and Education

I believe in a lifestyle of ongoing education in all areas of life including professional and personal arenas. I thrive on learning new technologies and using them to solve real world problems. Below are my certifications and, professional and academic education.

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|-------------|--|--|
| 2023        | • AWS Cloud Practitioner • Foundation  |  |
| 2004        | • FileNet P8 Programmer (Certified)  | • FileNet ECM Essentials (Certified)                                 |
| 2002        | • Daimler Chrysler Applause Award – DealerConnect<br>• Daimler Chrysler Applause Award – Technology Days |  |
|             | • Cognos Impromptu 7 Advanced Report Building  | • Cognos Impromptu 7 Report Building                                 |
|             | • Power Play Report Building   | • Power Play Data Exploration  |
|             | • Access Manager Administration  |  |
| 2000        | • Developing Server Side Application using Visual Age for Java (Certified)                               |  |
| 1995        | • PowerBuilder Fundamentals  | • PowerBuilder Programming   |
| 1994        | • Filenet System Administration<br>• Filenet Workflo Development   | • Filenet Workflo<br>• Filenet COLD                                  |
| 1990        | • Legendary Service (Customer Services)  | • Quality and Team Concepts  |
| 1987 – 1990 | • Interaction Management<br>• Small Business Management  | • Increasing Personal Effectiveness<br>• Customer Service Management |
| 1987        | • The Communication Process<br>• Mail Processing Systems   | • Data\File Retention Coordination                                   |
| 1983 – 1986 | • Sierra College, Rocklin CA   | • Major – Commercial Art<br>• Minor – Computer Science               |