

JOSEPH PHILBACK

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PROFILE

Strong and extensive experience (27 Years) in the design, integration, implementation, and maintenance of complex IT solutions. Proven ability to work efficiently in demanding and stressful environments with multiple simultaneous project deadline obligations. Experience in leading development teams and mentoring team members through the project life cycle. Strong programming experience in Java and other Web technologies.

CORE COMPETENCIES

- Java
- J2EE
- Web Services
- Database Technologies (Oracle, Greenplum, SQLServer, MySQL, Postgres, Mongo)

CERTIFICATIONS

- EMC Proven Professional
- VMware Certified Professional
- SpringSource Certified Spring Professional

EXPERIENCE

EMC Senior Solutions Architect – Developer, Database Designer, QA Tester, Installer, Customer Support

A member of the Advanced Software Development group to provide custom solutions for many of EMC's customers. Designed, developed, tested and deployed custom solutions based on specific customer requirements.

- **Isolated Recovery Vault Automation** – Designed and developed Isolated Recovery Vault system utilizing Java to automate the tasks of Controlling the AirGap, Monitoring Data Replication, Setting Retention Locks and Cleaning up files that have passed the Retention Date. Created status and validation emails and alerting to the customer on the state of the vault via email when the AirGap was connected.
- **Universal Data Collector** – Developed a J2EE Web application using Primefaces to collect customer questionnaires. This web application was fully customizable by the user by creating templates to gather the customer data. The tool was used for Cloud engagements to collect the required information to provide the customer the most viable solution. The application was written so it could also be utilized on mobile devices to collect the data.
- **Data Domain Utilities** – Created custom utilities for the Data Domain product line including custom reporting to capture physical storage consumption as well as a Custom Retention Locking program that would create custom retentions locks on a per file basis.
- **ServiceNow ViPR Controller** integration POC. Developed ServiceNow tables, forms and business rules to test if ServiceNow's capabilities could leverage ViPR Controller to provision storage in an automated manner. Spun up a ServiceNow developer instance and came up to speed with the technology and quickly developed a POC proving that ServiceNow could indeed leverage ViPR Controller. ServiceNow consultants used this code to further develop a working solution that could be presented to the customers.
- **ViPR SRM** - Developed reports using ViPR SRM for a major financial institution. Reports included custom executive reports in Excel encompassing all the storage information globally for the customer. Extracts of data from ViPR SRM were loaded into a custom Oracle database. Java was used to build the executive reports in Excel and distribute to a mailing list in an automated manner. Custom tools were also developed using Java to manage the 200+ server infrastructure of the SRM environment. Maintenance tasks were automated to ease the management of this large environment deployed globally. Numerous awards were won from the work performed on this project.
- **EMC Launchpad** Product. Designed and developed the Launchpad framework and reporting environment to produce custom Web Portals based on customer requirements. This product was used at many customer sites globally and encompassed small reporting portals to extremely complex File Level Reporting portals and SRDF monitoring and performance reporting. Adobe FlashBuilder was used to develop the front end and java web services were used to connect to the data.
- **Java Data Loader** – Designed and developed a universal data loader to pull customer data from a variety of sources and push it into the custom reporting database. The main focus around the design of the loader was speed. Due to the sheer volume of customer data, an efficient loader was needed to pull in millions of records on a daily basis. Data sources include Oracle, SQLServer, CSV, MS Excel, MS Access, MySQL, and XML as well as non db structures such as HTML and CRT screen scrapes from CLI commands. Data targets include Oracle, Greenplum and SQLServer. High data rates were achieved by utilizing specific performance features of each of the JDBC drivers used.

EMC Senior Solutions Architect – Developer, Database Designer, QA Tester, Installer, Customer Support (cont.)

- **Storage Performance Dashboard** – Implemented the framework to collect performance data from the customer's storage environment. Developed a performance dashboard that was targeted for upper management and more detailed reports for the reporting teams. The reports were developed using oracle views on the back end with stored procedures and Crystal Reports for presentation. The reports were later ported over to a Web Intelligence environment.
- **StorageScope Multi-Site Web Portal** – Designed and developed a web portal for a customer who needed multi-site capabilities in the StorageScope environment. A web portal was developed using Apache Tomcat and Java Server Faces. Data was collected from the customers multiple sites and placed into a SQL Server database. A search capability was added so the user could quickly find an object and once found a link was provided to bring them to the correct StorageScope environment.
- **VMWare Portal** – Developed a VMWare end-to-end storage reporting as well as VMWare performance reporting Portal. Using the VMWare SDK and data collected from EMC Control Center an end-to-end view of storage can be provided to the user. This is extremely valuable in the VMWare environment. This portal will be developed using ECUIT - EMC Common User Interface Toolkit based on Adobe Flex. This will ensure a common look and feel with all other EMC products.

Pfizer Information Technology Service Management - Developer, Database Designer, Installer, Customer Support

A member of a small, high performance team to deliver tools and processes to the business for the monitoring and management of Pfizer's Global IT Infrastructure. Developed a global Systems Management architecture/design based on ITIL (IT Information Library) industry standard, utilizing a "best of breed", integrated approach. Realized \$9M+ in annual savings by automating, standardizing and centralizing key capabilities.

- Designed and developed an "Abstraction Layer" database in Oracle to store data pulled from Pfizer's CMDB as well as numerous monitoring tools. Developed the processes to pull the information out of the host data sources and store it in the "Abstraction Layer" repository.
 - Designed and developed Pfizer's Web Portal where Configuration Item (CI) owners could enter requests for monitoring services, run reports or enter requests for one time or recurring event suppressions. Developed hooks into EMC SMARTS and CA/Concord eHealth to auto-provision accounts so the users could have a single sign-on into the multiple systems.
 - Developed Storage reports using EMC Control Center to reconcile the actual storage and utilization data to Pfizer's CMDB.
 - Designed and developed a monitoring and reporting solution for Pfizer's VMWare infrastructure.
 - Designed and developed the database to store the configuration and performance data pulled from VMWare.
 - Designed and worked with a contracted resource to pull the VMWare configuration and performance data using VMWare's SDK Web Service interface.
 - Developed the process to pull the config and perf data from the database and load into the Concord eHealth system using Concord's DCI/DDI interface.
 - Designed the data model for Pfizer's "Federated CMDB".
 - Built out the physical database to store the data elements needed for the Federated CMDB.
 - Designed a web interface into the MetaData to describe the data elements pulled from the various discovery systems.
- Designed an interface into the data model to provide a common programming interface to store and retrieve information in the Federated repository. Designed a web interface where users could query a CI and see all the discovered attributes from the various tools.
- Designed and developed adaptors to pull data from EMC ECC, EMC nLayers, EMC SMARTS, SMS, ePO, Perigrine's CMDB, and BDNA.

AT&T Labs - Technology Consultant

AT&T Profitability Analysis Tool (APAT) (2004) - This Web-based Profitability Analysis Tool is used by AT&T to estimate and calculate financial profit made on any particular customer. The tool consisted of JSP Web application running on iPlanet Web server with an Oracle9i Database. The core of the application is an exceptionally complex Excel Workbook consisting of 65 sheets and 18 MB of data and formulas. The Web application communicated with Excel Workbook via XML and a B2B application running on Win2000 Server. This B2B application was written in C# using Visual Studio.NET. Complex batch processes were written in Java to analyze large volumes of call data extracted from network switches and numerous billing systems.

- Served as the lead Architect, Technical Team Leader, Developer and Analyst for the project.
- Developed Java Server Pages / JDBC and Oracle9i database to present results to the users.

AT&T Labs - Technology Consultant (cont)

- Created extremely complex batch processes, which evaluate customers call data and load information from network switches into the database.
- Configured the Win2000 server as a B2B server and designed and developed the ASP.NET page to accept the XML messages from the iPlanet Web server.
- Designed and developed C# process which communicates with a very large Excel Workbook performing extensive financial calculations and updates the Oracle database via an ADO.NET link.

GEMS Provisioning System (2003 – 2004)- A highly complex system consisted of third party CRM Client/Server system (PeopleSoft – Vantive), Web-based self-service system as well as, numerous B2B interfaces with external systems both within and outside of AT&T.

- Developed numerous XML interfaces with other AT&T systems (Network Management, Workflow, Provisioning, etc) based on XML schemas provided by the other systems.
- Served as the architect to re-write the third party provisioning system (PeopleSoft - Vantive) using Oracle9i Development Suite and Oracle Forms.
- Installed and properly configured Oracle9i Application Server with Forms Services to host Oracle Forms application.
- Developed custom shell scripts to compile forms, menus and libraries.
- Created custom Pluggable Java Components as well as form templates for development team to aid in form and code consistency and to simplify development process.
- Produced and initiated custom load balancer to balance the load of requested forms across multiple servers.
- Provided technical support to development staff.
- Designed, coded and configured interface with external Billing system using DB2 JDBC interface. Oracle Java Stored Procedure communicated with DB2 on Mainframe using DB2 client installed on Oracle server.
- Designed and developed bulk data loaders using Microsoft Excel and PowerBuilder. The users entered data using Excel templates and used PowerBuilder to perform complex edits and database loads.
- Developed extensive monitoring mechanisms to monitor the health of each part of the system. Whenever any part of the system experienced an error or a slowdown, BMC Patrol ticket was generated and sent automatically to the operations personnel.

GEMS Inventory Management System (1995 - 2002) - Worked as consultant to the AT&T Solutions organization to aid them in designing of inventory management system. The system in use was extremely slow and costly in license maintenance fees. The new system was designed and implemented in 2 months. It increased productivity and implemented efficiencies that resulted in reduction to headcount for users of the system. In addition, the new application saved the company \$350K/Year in maintenance fees.

- Used PowerBuilder and PFC to quickly build prototype and working model of the new application.
- Organized JAD sessions with users to gather requirements.
- Solely responsible for design and development of the application.

Y2K Project Tracking system (1997 - 2000) - This internet based system used MS SQL Server and MS IIS along with MS Visual Interdev as the development environment. It provided interface for users to enter the progress in the conversion, certification and testing of all AT&T software projects with relation to Y2K issues. It generated automated GANT charts of the project statuses to determine where the critical tasks were.

- Designed and developed ASP pages for user input.
- Acted as system administrator for IIS Server.
- Configured Visual Source Safe used with Visual Interdev for source code control.
- Developed complex batch program in Visual Basic to create GANT charts in Microsoft Project. This was done via OLE Automation.

Site Inventory Tracking and Expense System (SITES) (1990 - 1995) - This system tracked AT&T internal equipment inventory. The application also performed the Subsidiary Ledger function for the Corporate ITS (Information Technology System) division of AT&T.

- Technical team leader in the major re-write of this COBOL – IDMS Database system to Client Server system written in PowerBuilder with Sybase as the backend database.
- Derived standards, designed and coded all Ancestor windows and base class objects to be used by developers.
- Transformed COBOL programs into new PowerBuilder functions.

TECHNICAL SKILLS SUMMARY

LANGUAGES & DEVELOPMENT TOOLS

Eclipse/MyEclipse, Adobe Flex/FlashBuilder, Toad, Java, JSP/Servlets, JSF, Primefaces, ActionScript, JDBC, SQLJ, C#, ASP.net, ADO.net, HTML/JavaScript, XML/XSLT, PL/SQL, PowerBuilder, Visual Basic, Visual C++, C, UNIX SHELL, COBOL, JCL, VSAM

OPERATING SYSTEMS, UTILITIES & VIRTUALIZATION TOOLS

VMware SDK

DATABASE MANAGEMENT SYSTEMS

Oracle, Sybase, Microsoft SQL Server, Greenplum, MySQL, Mongo, Microsoft Access, DB2, IDMS

COMMERCIAL SOFTWARE

EMC ViPR SRM, EMC Data Domain, ServiceNow, Apache Tomcat, Microsoft IIS, Crystal Reports, Business Objects Web Intelligence, CA/Concord eHealth, Peregrine ServiceCenter/CMDB, PeopleSoft/Vantive CRM, Visual Studio, InstallShield, EDIDev

EDUCATION

- New Jersey Institute of Technology, Newark, NJ – MS (Computer Science)
- The College of New Jersey, Hillwood Lakes, NJ – BS (Electrical Engineering Technology)