YITZCHAK ROSENTHAL

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TECHNOLOGIES

Development:	C/C++, Java J2EE, Perl, VB.Net, VBA, Korn/Bourne/Bash Shell, MQ Series, COM, Haskell, Prolog, Websphere
Web:	J2EE(JSP, EJB, Servlets), PHP, ASP/ASP.Net, Cold Fusion, Javascript, DHTML, CSS, HTTP, HTML, XML, IIS, Apache, Cisco Local Director (load balancer/failover)
OS:	Solaris, AIX, Linux (Fedora/Ubuntu), Microsoft Windows
DB:	Oracle, SQL Server, Informix, DB2-UDB, MySQL, ODBC, JDBC
OOP/OOD:	UML, Rational Rose, Together-J
Imaging/workflow:	Eastman Software Imaging/Workflow, Unisys Infoimage

PROFESSIONAL EXPERIENCE

9/02 – PRESENT

YESHIVA UNIVERSITY, SYMS SCHOOL OF BUSINESS, NEW YORK, NEW YORK; INSTRUCTOR

- Full time instructor in undergraduate Information Systems department. Taught courses on: Java, Visual Basic, C++, object oriented design, database design, client side and server side web development, Unix scripting with shell and Perl, intro to computer science, business modeling, management information systems, pre-statistics.
- Administrative responsibilities for the Information Systems department including: curriculum development, student advisement and coordination of laboratory facilities.

INDEPENDENT CONSULTANT

- Soreq Security Systems - On call for troubleshooting of network issues and custom script programming (perl).
- leemood.com - Development of online learning platform (version 1.0 is currently in development)
- (summer '07) Yeshiva University, MIS Department - Worked on improvements to the backend Linux server infrastructure (i.e. email, radius and application servers). Analyzed current setup and recommended new backup architecture for email system. Recommendations were accepted by management for implementation. Worked on improving Fedora Linux kickstart process for all backend servers.

3/98 – 8/02, R2K, INC, NEW YORK, NEW YORK, SENIOR CONSULTANT

- Performed consulting work for clients as well as business building initiatives for R2K.
- Internal R2K work:
  - Worked on building partnership relationships between R2K and the following companies: Intershop Communications Inc., Persistence Software, Protegrity Inc
  - Worked on the redesign of R2K's web hosting infrastructure. Setup web farm using Microsoft **IIS** and **SQL Server** to host several web sites. Used **Cisco Local Director** for security and load balancing. Modified **ASP** applications to store shared data in the database instead of in the application object to allow load balancing to work.
- **Prudential Insurance**
  - Worked on several projects for different groups within Prudential. Many of the projects were related to imaging and workflow processes that support Prudential's core business. Projects included:
  - **Imaging Services Layer:** Key member of design team that enabled web access to Prudential's imaging repositories. Back end image repository was implemented with Eastman Software Imaging product. Images included many types of insurance forms and customer correspondence including claim forms and supporting documentation. Built on a secure, scalable, fault tolerant infrastructure using IBM **WebSphere** (**Java servlets**, **JSP**s and **EJB**s) , **DB2 7.1**, **MQ-Series**, **RACF** and **Netscape Enterprise Server**. Development of the EJBs was done using IBM **Visual Age**. Some benefits of the system include:.

2/2001 – 8/02   Client: Prudential Insurance

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Project Name: Imaging Services Layer

Key member of team that enabled web access to Prudential's imaging repositories. Back end image repository was implemented with Eastman Software Imaging product. Images included many types of insurance forms and customer correspondence including claim forms and supporting documentation. Built on a secure, scalable, fault tolerant infrastructure using IBM **WebSphere** (**Java servlets**, **JSP**s and **EJB**s) , **DB2 7.1**, **MQ-Series**, **RACF** and **Netscape Enterprise Server**. Development of the EJBs was done using IBM **Visual Age**. Some benefits of the system include:

- The ability to access image documents from intranet, extranet or internet..
- Elimination of dependence on complicated proprietary APIs for interfacing with underlying imaging systems.
- Ability to seamlessly integrate access to documents that originate from different imaging backend products into a single application. This includes cross-repository capabilities such as cross-repository searches using an index managed by the web access layer.
- Ability to access images via different levels of integration (1) directly via URL (e.g. document references can be browsed to directly or pasted into emails or windows shortcuts) (2) via an EJB interface for fat Java applications (3) possible future access to EJB interface via **SOAP** for non-Java languages

Primary responsibilities included:

- Significant contributions to the overall design of the system and infrastructure.
- Implementation of the EJB layer. EJBs are used for session and event management.
- Implementation of the authentication and authorization pieces: Authentication and authorization are accomplished via integration from the EJB layer to standard corporate **RACF** security systems using **MQ-Series** and **HTTP**. Websphere security was not used.
- Currently working on design of next phase of project, which will replace the Eastman Imaging back end with a new custom, built solution.

Project Name: 4c/ccps

- Brought in by management to perform a review of the architecture and code base of a large Java project that was having severe problems in production. Problems ranged from performance issues to service outages. Compiled and delivered recommendations for management. Architecture included **Solaris, Windows NT, MQ Series, JRun, Java, Servlets, Applets, MQ Series, Visual Basic, Sybase, Documentum** and **Eastman Imaging.**

Project Name: Fileminder

- Developed a Visual Basic program that monitors log files on the network and reports if there are exception conditions. The utility replaces a manual process that was performed by support personnel responsible for Prudential's Imaging and Workflow server installations.

Project Name: Prudential eXchange Brokerage (PXB)

- Performed a source code audit of a large mission critical web enablement project. Source code audit was part of a larger audit process designed to identify possible issues before putting the mission critical project into production. Audited code included **Java Servlets**, **EJB**s, supporting **Java** classes and **C++** modules. Examined code for possible design flaws, use of standard design patterns, correctness, efficiency, etc.

2/2002   Client: ttools, Inc.

- Added shopping cart functionality to [www.ttools.com,](http://www.ttools.com) the website for ttools, Inc., a manufacturer of accessories for handheld computers. Prior to this project, www.ttools.com would forward all purchase requests to [www.smaller.com,](http://www.smaller.com) a general-purpose site that hosts information and sells products for PDAs. Also moved the hosting of the ttools site to R2K's hosting facilities from their former ISP. Work was done using **Cold Fusion, Javascript, Microsoft IIS, SQL Server**, **WebTrends Log Analyzer** and **Cisco Local Director.**

1/2001 – 2/2001 New Business Development for R2K

- Worked on building partnership relationships between R2K and the following companies: Intershop Communications Inc., Persistence Software, Protegrity Inc.

3/2000 – 12/2000Client: Camdens.com

- Major contributor in the development of a B2B website for upscale corporate gift giving. The site offered corporate customers a highly configurable platform for all their gifting needs. A single backend platform could be configured differently for different clients. Clients have the ability to customize the product catalog, track budgets, lines of credit and manage users.

  The website was implemented using **Java**, **Intershop Enfinity** (a **Java Servlet / JSP** based eCommerce development platform), Persistence Powertier **EJB** Server, **Oracle 8i**, **Microsoft IIS**, **Javascript** and **Perl**.

  Primary contributions included the design and implementation of the catalog customization, order processing and management interface modules, construction of numerous core Java classes and utilities and configuration of the development and production infrastructure.

1/2000 – 2/2000 Internal work for R2K

- Worked on the redesign of R2K's web hosting infrastructure. The work consisted of setting up a web farm using Microsoft **IIS** web servers and **SQL Server** to host several web sites. **Cisco Local Director** was utilized for security and load balancing. To make the load balancing work several **ASP** applications were modified to store shared data in the database instead of in the application object.

9/98 – 1/2000   Client: Unisys

- Performed several tasks in an effort to help Unisys launch a new development organization to support and develop InfoImage, the company's Imaging and Workflow server product that they acquired from Eastman Software. Prepared and develivered courses on InfoImage internals to new development group.

- Major contributor in the design of a rewrite of InfoImage server . Design team followed **UML** design principles. New design was to encorporate the following technologies: **COM+**, **transaction processing**, **message queuing**, **Windows 2000 services**, **Active Directory**, and **XML**.

- Jointly designed and led a team of 10 people in developing automated testing tools for InfoImage. The tools enable testers to design and execute controlled and repeatable tests. The tools were designed to be used by both developers and QA personnel and save countless hours of coding test scripts and running manual tests. **C++, VB** and **SQL Server.**

3/98 – 8/98,   Client: Prudential Insurance

- Designed and developed the **NT services** that sent bulk data between Prudential and two third-party sites. Participated in all phases of the project from gathering business requirements through development and deployment. Developed **NT services** and **Unix scripts** to extract, manipulate, and transfer the data. The NT services were developed using **C++, MFC**, and **ODBC**. Also coordinated the efforts of the local organization, corporate networking, two leased line providers, and the third-party sites to set up the data feeds.

1/95 – 2/98, EASTMAN SOFTWARE *(FORMERLY SIGMA IMAGING SYSTEMS AND WANG SOFTWARE)*, **NEW YORK, NEW YORK**
PRINCIPAL SOFTWARE ENGINEER, SOFTWARE ENGINEER

- Key member of the team responsible for development and support of the system-level components that were used to build the Eastman Software imaging and workflow products. Deliverables for the team included abstraction layers for the operating system, network and database services, C++ template collection class libraries, and development and support of the build infrastructure. The abstraction layers made it possible for the Eastman Software imaging and workflow products to be developed for **Windows** NT (Intel and Alpha), Windows 95/98, **OS/2,** and **Solaris** using **TCP/IP, NetBIOS,** and **APPC** networking protocols and **SQL Server, Oracle, Sybase**, and **DB22** databases. Also participated in the design and development performed to convert the Eastman Software imaging and workflow processes to **NT services**. All development was done primarily using **C** and **C++**.

- Assumed leadership positions for several projects including development of migration tools, integration of NT Alpha, and stabilization of pre-release code. Led a team of four developers in critical pre-release code stabilization efforts. Responsibilities included prioritization of issues, delegation of tasks, technical leadership and arbitration, and coordination with other project leads and management. Worked directly with management to supply technical guidance. Work included investigating **internationalization** support for right to left (RTL) languages and feasibility studies for porting the imaging and workflow product to **HP-UX**.

9/93 – 12/94, INDEPENDENT CONTRACTOR AND STUDENT, NEW YORK, NEW YORK

During this period of time I was enrolled in a Rabinical studies program at Yeshiva University and also engaged in independent contracting and lecturing for the following

- **New York University,** Adjunct Instructor – taught 4 credit undergraduate computer science class to 45 students

- **Yeshiva University, New York, NY** – * Adjunct Instructor - Delivered seminars on the use of the university's computer resources. * Consulted to campus library - connected library computers over the Internet with resources from other local, national, and international libraries

- **Sabre Systems, Monsey, NY -** Made modifications to a PC-based convention registration and billing system.

- **MedPlus, New York, NY** -Coded custom reports for "Medical Manager", a medical billing and tracking system, using the proprietary language of the application.

10/89 – 9/93, AT&T, PISCATAWAY, NEW JERSEY , MEMBER TECHNICAL STAFF

- Part of team that provided programming services to other AT&T departments. Helped develop applications that were used by AT&T Human Resources, AT&T Professional Education Services, AT&T IMS Data Centers, and AT&T IMS Quality Control.

- Worked in all phases of application development using **C, Unix**, **Oracle, Informix** and **People Soft**. Tasks included requirements gathering, database design, application design, development, and deployment. Had frequent contact with customers during the requirements gathering, application development, and product support phases of the project.

EDUCATION

- PhD Computer Science ***Candidate***, City University of New York, Graduate Center, Sept 2007 - present

- MS Computer Science, New York University, New York, NY - January 1994

- BA Computer Science, Yeshiva University, New York, NY - May 1989, Cum Laude
  Belkin Scholar for Academic Excellence

CERTIFICATIONS

Sun Certified Java 2 Programmer.