Adam Kastin   adam@kastin.org

Summary:

Over 20 years of experience in the design and implementation of software solutions. Experienced with project management, design, development and testing of systems in the financial, telecommunications and internet industries. Strengths include application design & development, database design, and performance analysis and tuning. Specific technical experience includes design, system architecture, MVC and rapid application development techniques. In depth experience as a lead project developer allows me to play an integral part in any development effort and in moving the project to completion.

Education:

B.S.: Computer Science, **Rutgers University** - New Brunswick, NJ - 1987

Technology Skills:

Languages: Java, JSP, PHP, HTML, JavaScript, C/C++, UNIX/Shell, Perl
Databases: Oracle, Sybase, DB2, MySQL, Informix, Ingres
Other: Eclipse/WSAD, CAKEPHP, iText, FOP, JYACC/JAM, TCP/IP

Experience:

TSG-WMS, LLC; Saddle Brook, NJ   **September 2008 – present**

Technology & Engineering (In-house product development)   September 2008 –present

Lead developer and architect for Stratevie.com. Stratevie provides Financial Advisors with a way to exchange information with Asset Managers. It does this via a web portal that provides general information, analytics, videos, articles and other forums. The website allows the Financial Advisors to search and compare Asset Managers and their Products, as well as other information from the Asset Manager including videos and articles. It also allows commenting, blogging and forums for the Financial Advisors to have direct communication with the Asset Managers.

Responsibilities included system architecture, design and development of the website using the CAKEPHP infrastructure to generate hundreds of web pages. Additional responsibilities included the management and direction of offshore resources used in completing the project on time and on budget. The system was built using CAKEPHP, PHP, and MySQL on Windows and Linux systems.

ebusinessware; New York, NY   **June 2004 – September 2008**

Associate Partner (In-house product development)   August 2007 – September 2008

Lead developer for Sigma and Sigma-Q. Sigma is a portal for wealth management research, marketing and product manufacturing. The system encapsulates workflow, research data gathering & consolidation and generates marketing materials for various products; SMA, MSP, UMA and Mutual Fund. Sigma-Q (Unified Questionnaire Initiative) provides Money Managers a common web portal to complete quarterly questionnaires for their sponsor firms and includes a workflow management system.

My primary responsibilities were to lead the development process, assign tasks to onshore and offshore developers, resolve technical issues and define both system requirements and architecture. These systems were developed using MVC techniques under J2EE for the UI, including struts and some YUI (Yahoo UI) components, using the JBOSS application server. The backend was developed with Java via Eclipse and uses iText and JFreeCharts for the report generation. Oracle was used as an initial database platform; however the system was built such that any JDBC database could be used with simple modifications to the data accessor class structure.

Senior Consultant (**UBS**, Weehawken, NJ)   November 2006 – December 2007

Lead developer for the Wealth Management – Research Analyst Workstation (RAW). RAW was designed to replace the manual efforts by wealth management research department in generating marketing materials for various products; SMA, MSP, UMA and Mutual Fund. The system gathers and consolidates data needed for these reports from a number of internal and external sources

My primary responsibilities were to lead the development process, assign tasks to onshore and offshore developers, resolve technical issues and define both system requirements and architecture. This system was developed using MVC techniques under J2EE for the UI including struts and deployed under the WebShere application server. The backend was developed with Java under WSAD and uses FOP & NetCharts for the report generation.

Senior Consultant (***Goldman Sachs***, New York, NY)   June 2004 – November 2006

Senior developer for the Wealth Management Client Reporting System. I was requested back to work on some of the various systems in Client Reporting that I previously worked on. The two main projects completed while on this engagement were ACDP and NGR. ACDP (AMS Classic Decommission Project) involved migrating the functionality from the older European (London, Zurich) reporting systems into the newer US Reporting System. The decommissioning would save the extra maintenance of those systems, but was a major undertaking as the European securities regulations differ dramatically from the US.

Specific responsibilities included migration of various data feed processing from AMS Classic extracts into real-time data extractions via stored procedures from the GLOSS trading systems databases. Also responsible for migrating the unique features of the European web systems to the US web platform. At the competition of this project included two separate onsite installation trips to London and Zurich to assist at month end for the rollout of the new systems, this included massive overtime during these 2-week trips.

The batch processing was mostly Perl and Sybase stored procedures with some Java, and the web was HTML, JSPs, and again used the Perl-CGI architecture previously developed in a previous engagement. This architecture is similar to PHP or mod_perl, created before these architectures existed.

The other project was NGR (Next Generation Reporting). This project involved a complete re-writing of the report generation processes. Starting with the reporting data extracts through the Actuate report designs. It also included the supporting web systems used for report customization tasks, as well as the Checks & Balances and other month-end processes. My specific duties on this project were again in the realm of the data extraction via Sybase stored procedures, as well as the web tasks including HTML, JS, JSPs, HTML and Perl-CGI.

Cornerstone Technologies Inc; Mahwah, NJ   **July 1998 – June 2004**

KarmaDBi (www.karmadbi.com)   1998 – present

Co-creator of a user customizable WEB based interactive SQL interface tool to allow IT professionals to replace the use of the archaic command line oriented interfaces.

In constant development for more than 10 years KarmaDbi was initially developed in C/C++, Sybase CT-Lib and HTML/JavaScript and now is supported in both C/C++ and Java/JDBC. It provides many timesaving features, which allow IT staff to be more efficient during the development process including: connection management and listing/finding/viewing database objects. That is in addition to allowing users to run, re-run and save/recall frequently run queries as well as access a history of most recently run queries. The tool has been used at all consulting engagements from its creation with great fanfare from the other IT professionals at those companies.

Senior Consultant (***Merrill Lynch***, Jersey City, NJ)   March 2002 – June 2004

Senior developer of the Integrated Credit Environment (ICE) system for Credit Risk Technology. I returned to this department on request to again help with the continued development of their systems. The ICE platform is used by the Credit Department for all aspects of their systems needs, and includes the core Credit Exposure System (CXS) that I worked on in a previous engagement.

Specific duties on this engagement included the Real Time Limit Checker (RTLC), which provides a SOAP and/or proprietary interface via XML into the ICE system. Through these interfaces, via XML requests, internal systems both in Credit and outside could request and receive Real Time Limit Checks for proposed trades of various credit products; from SWAPs to Credit Derivatives. The system uses the XML (or SOAP) requests to accept the proposed trade in standard FMPL format and interfaces to the ICE analytics/calculation modules to generate models and determine the credit score and return that via the XML/SOAP interface. The system was developed in Java under Eclipse.

Also during this engagement I was responsible for developing web applications in the ICE system for internal credit analyst's use. Various screens were developed using J2EE/JSP.

Senior Consultant (***IBM/NYC-DOF-NYCServ***, New York, NY)   September 2000 – February 2002

Designed and developed the End of Day batch stream for the Payments sub-system of NYCServ (NYC Department of Finance Services System). NYCServ is a multi-platform system supporting NYC Payment Centers, Kiosks and Internet access, specifically allowing payments of Parking Tickets, Property & Business Taxes, Water Bills, and various other Department Violations and Fees. The n-tiered system has components on NT and AIX to support the multiple platforms, using Java under a WebSphere environment, plus components on various Legacy systems.

Responsibilities included design and implementation of the End of Day batch stream to process the various types of Payments, Adjustments and Reinstatements taken from all platforms and apply those payments to

the various Legacy systems using Host Publisher (Screen Scraping), CICS-ECI (External Call Interface) transactions, and batch files. In addition the EOD consists of a Rollup and Feed process for an accounting system as well as NG Check file processing. This sub-system was developed using Visual Age for Java and DB2, as well as AIX shell programming.

Senior Consultant (*Goldman Sachs*, New York, NY)   June 1998 – September 2000

Senior developer for the Wealth Management Client Reporting System. This system is responsible for generating Monthly Statements/Reports for Wealth Management Clients. The system extracts data directly from the trading & accounting systems each month for use in the statement preparation. Based on that extracted data and on customization information from the Sales Teams the system generates various different formats of Client Reports.

Primary responsibilities included the development of a Web Based system to allow the Sales Teams the ability to customize the reports for the clients. It also provided Client Services with a workflow facility to review the reports and manage/repair data breaks generated by Checks & Balances facility. In building the Web system we created an extensible object oriented architecture, via Perl Objects and CGI, which allowed for dynamic page generation and session management. This architecture allowed the development of new screens very quickly, meeting the fast paced needs of the Wealth Management requirements.

Additional responsibilities included writing stored procedures to extract large quantities of data needed to generate these reports. The extracts from the real-time trading and accounting systems were designed for maximum efficiency using special pivoting techniques and included the business logic for reports.

Spectrum Concepts; New York, NY   **December 1996 - June 1998**

Consultant (*Merrill Lynch*, New York, NY)

Designed and developed enhancements to the Credit Exposure System. This system receives trade activity for SWAPs, Equity & Commodity Derivatives, as well as other products. It then calculates risk exposure at the activity detail as well as for Counterparty Portfolios. The batch system components are written in C & Sybase T-SQL and runs under Solaris.

Responsibilities included implementing enhancements to the SWAPs processing, based on user requirements to further classify the individual types of trade activity and modify the appropriate calculations. Plus, responsible for coding applications to accept and calculate exposure for a new feed of IEM Derivatives (Brady Bond Options).

Also designed and implemented 'What-if' processing facility, which allows Credit Analysts to add/alter trade activity data and initiate a re-calculation of the risk exposure. This included database modifications, new connectivity modules to connect real-time to the back-end and a psuedo batch process itself.

Datanomics; Piscataway, NJ   **September 1993 – December 1996**

Consultant (*AT&T*, East Brunswick, NJ)

Project leader & lead developer for the Credit & Collections Management System for Business Communications Services. The system gathers customer and billing data from a number of legacy systems to populate an 80 GB Informix database supporting 15 million accounts. This database was designed to support both a decision support system that determines past due accounts and employ various collections strategies, as well as to provide OLTP for an on-line system that supports the collection representatives. This project uses a 3-tiered client server implementation. It uses C/C++, Shell, Informix SQL and Sybase Open Server on an HP-UX for the Tier III, as well as Sybase Open Server CICS for connectivity to the legacy MVS databases. It uses C/C++, Sybase Open Client/Server for the Tier II transaction manager, and C++, Sybase Open Client, TeleUSE, MOTIF & X-Windows for the Tier I GUI.

Primary responsibilities consisted of system and database design, development and production support. Specific programming responsibilities included the main nightly process to determine collection eligibility and determine what collection actions to perform (Call Lists, Customer Letters, Network Restrictions, Account Disconnections or OCA Referrals).

Additional responsibilities included support & training of the development staff, analysts, testing & production support groups, as well as the user/business management groups.

S.D.A. Enterprises; Annandale, NJ **May 1992 – September 1993**

Director of Product Development

Co-lead development of SafetyNet, a product that provides disaster tolerant data sharing between multiple platforms using data replication. Responsibilities included system architecture, high-level design and object level design. The proposed architecture included a client/server based system, TCP/IP, as well as a two-phased commit algorithm for reliability. This proposal required the creation of a new file system type through the use of the VFS/vnode interface under UNIX. The design also required a flexible and portable implementation to support multiple platforms, such as: HP-UX, AIX, Solaris, NT and MacOS. To gain additional funding and prove feasibility a prototype demonstrating some of these features was necessary. This prototype consisted of the client and server, communicating via sockets, providing a limited number of file system operations, and a transaction/recovery log manager. It was developed on HP-UX using C++.

AT&T Communications; East Brunswick, NJ **June 1987 – May 1992**

Information Management Member

Project leader and lead developer for the AT&T Revenue Collection And Discount system (ARCAD). This system is responsible for gathering WATS/800 billing data from multiple billing systems and aggregating that revenue data at a customer level. Based on the aggregate revenue, the system either issues penalties for failing to meet promotional commitments or issues volume discounts. These penalties and discounts are then sent to the originating billing systems as adjustments. This project is implemented using C, Shell and Ingres EQUEL on an Amdahl running UTS.

Primary responsibilities consisted of system and database design, development and production support. Additional responsibilities included leading a team of five, gathering requirements from the end-user & marketing organizations. I also developed the concept for and developed summary and statistical reports for executive and marketing personnel, for which I received a Division Recognition Award as these reports aided in the identification and correction of data that caused inaccurate discounts.

In addition to working on the above project, I worked as lead developer for other Billing Support Systems written in C, UNIX, SQL and JAM. I was also responsible for the development of common code libraries, support of a curses based screen manager, as well as other development tools.