



Kayvan Kazeminejad

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Professional Experience

SolutionsWebE

Various Positions and Assignments (June 2004 – current)

Majors Company / Baker & Taylor

Sr. Web Consultant (Sept 2005 – Current)

Act as Web Services developer/administrator with responsibility for large commercial website providing ecommerce bookstore capabilities. Work was 50% on site, 50% remote. Duties include creating and maintaining all aspects of the websites:

- Content management (JSP, JSF, HTML, CSS, AJAX, Javascript, Perl, Java, Struts, Spring, POJO, Hibernate, XML/XSLT)
- Develop advanced search engine facilities using Java, C++
- Developed framework to:
 - Create 250+ branded web sites for clients including Schering-Plough, Merck, University of California, etc.
 - Generate and deploy new prototype web sites for marketing web products to potential clients
- Developed EJB architecture to persist shopping carts in PostgreSQL and connect to back-end legacy inventory systems (DB2, ADABAS, and Natural/COBOL Applications)
- Installed, and configured CVS, Eclipse, Oxygen as System software for development purposes
- Maintained Perl CGIs, and converted legacy Perl CGIs to servlets and JSP
- Develop multi-channel framework empowering users to alter the look & feel of websites dynamically utilizing Struts, Struts Tiles, XSLT and Java XML generators (Model 2X)
- Developed test inventories based on Software Requirement Document (SRD), and Domain Model. Automated the validation/verification of test results utilizing Jmeter and BeanShell
- Supported sites include www.majors.com, www.***.mylibrarybookstore.com, www.HGTV.com (music CDs), www.majorsbooks.com (Template for 250+ branded sites).
- Administer:
 - 14 Dell Linux blades,
 - 4 HP blades
 - Linux Virtual Servers (LVS) Global File System (GFS) across 7 Dell blades
 - Tomcat, Apache, and SSL

Act as UNIX system/application programmer responsible for:

- Maintaining Java RPC servers interfacing with MQ and EntireX Broker for synchronization of Baker&Taylor (MVS) and Majors (HPUX and Linux) applications / databases
- Redesigned Java RPC servers to a more robust JMS architecture utilizing MQ and Websphere embedded messaging APIs for asynchronous communications



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- Developed Java XML/XPATH messaging applications, tracking shipment of packages in real time utilizing UPS, FEDEX, and DHL provided APIs/Gateways
- Data conversion from ADABAS to ORACLE utilizing Natural, Perl, Korn shell scripts
- Developed C++ APIs to embed UNIX file system structure (inodes) directly into ADABAS internal buffers. Hence high level applications may transparently interrogate Unix file system
- Developed C++ multi threaded MQ data retrieval system that manages a pool of MQ client connections for synchronous request-reply communication to an ADABAS/Oracle system

St. Lawrence University

Web Architect / Developer (August 2004 – December 2005)

Design and develop new Alumni web site (alumni.stlawu.edu). Work was 100% remote. Tasks included:

- Configure Redhat Linux web servers, Apache, and Tomcat
- Configure RPC servers in VM and IBM blades running Redhat Linux OS
- Develop C++ APIs to dynamically encrypt/decrypt sensitive data for storage in ADABAS
- The completed website technology included:
 - HTML, XHTML, CSS, Javascript, ePortal for Presentation layer
 - Natural and Java for Service layer
 - Natural RPC to establish communications with back-end processes / VM legacy systems

Solution Specialists

Web Consultant (June 2003 – Current)

Assist in building of websites. Work is 100% remote and duties include:

- Built CGIs using Perl and interfacing with MySQL
- Build secure Registration, guest list and sign up functions
- Sites include www.solutionswebe.com which offers consulting and training courses and www.sagggroup.org a hub web site and the associated 14 web sites
- Build counter functions showing overall hits, and hits per each hub page
- Build private encrypted multi user chat channels

California Department of Mental Health

Senior Consultant (June 2004 – December 2005)

Acted as Enterprise Architect for Mental Health Services Act (MHSA) project. Architecture builds a statewide system to collect and publish information on mental health services provided by 40,000+ providers. System utilizes:

- Enterprise messaging queue repository (data bus)
- Dynamically configurable Service layer
 - Java queue extractors driven by user configurable XSLT adaptors generating Soap/XML messages
- Dynamically configurable Presentation layer
 - Using servlets, user configurable XSLT generating XHTML



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Design, and construct C++ servers and APIs in Unix System Services (USS/zOS) to replicate ADABAS transactions in real time. The C++ objects were developed with heavy emphasis on Generic programming, and STL to maximize portability across USS, Linux, and Windows platforms. Processes included

- Real time capture of ADABAS transactions (Change Data Capture (CDC) using C++
- Persist CDC in lightweight BSD database
- Development of TCP/IP client applications to extend the CDC_API from USS to Windows
- Developed data conversion routines to translate MVS data formats to Windows
- Wrapping CDC in XML with the resulting packet transferred into SQL Server asynchronously
- Developed C# server TCP/IP routines to deposit CDC into SQL
- SQL Server stored procedures passed the packets to one or more of 14 servers across the state for local processing

Understanding Seminar Series

Course Designer and Instructor(November 2003 – Current)

Act as Course Designer and Instructor for various teaching assignments in the Understanding Seminar Series (both Public and Private), including Basic Web Enablement, Java, Perl, C/C++, TCP/IP, Unix/Linux, Unix System Services. Custom Seminars included client specific materials and seminars.

LandAmerica Tax and Flood

Construct Modeler and Programmer Analyst (May 2004 – August 2004)

Upgrade and develop custom Construct (code-generators). Develop field-level Help Text Maintenance System (HTMS) to allow business users to manage online help.

Developed C++ TCP/IP programs to transfer data from corporate VM machine to high-speed FAX servers.

Miami-Dade Community College

Sr. Programmer Analyst (April 2003 – October 2003)

Act as Senior Analyst/Programmer on a project to implement enhancements and upgrades for linking three existing systems together (two – one Cobol one Natural on OS/390 the other UNIX) via real time transaction propagation using EntireX BROKER, and to enhance the existing systems to more effectively notify and inform the user community via email using NATURAL to generate the email to the web. Work continued with actual implementation of enhancements via the Internet. Enhancements include coding upgrades, installing triggers for real time updates, and enhancing the Quality Assurance procedures to include the changes to the transaction process. System used Adabas, Natural, COBOL, Construct and EntireX.



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Natural users group

Consultant (November 2003 – Present)

Presented lectures in Natural/MVS batch efficiency techniques. Assisted in planning and set up of meetings including technical requirements.

California Franchise Tax Board

Contractor (June 2002 – January 2003)

Act as System Programmer designed and developed various TCP/IP C++ programs in an AIX/MVS environment

California Public Employees Retirement System

Instructor: (Various assignments)

Act as an instructor for various teaching assignments in C/C++ programming language in MVS and UNIX environment. These assignments included creation and delivery of course materials for the relevant topics, including best practices, performance enhancement and general instruction.

Professional Experience

State of California, Board of Equalization

Various Positions and Assignments (September 1999 – June 2004)

Unix Administrator (September 2002 - June 2004)

Responsible for administrating 5 Solaris and 5 HP servers..

Programmer Analyst (September 1999 – June 2004)

Act as Project Lead to design and implement a client server application for the collection subsystem. The server part of the application resides on HP-UX 10.0, interfacing with MVS to extract data, and serving the clients on a mixture of WIN 2K/95. Project completed on schedule on July 1999, as scheduled. Act as Project Lead to design and implement the migration of revenue collection subsystem from HP-UX 10, to Sun Solaris 9.0. The collection application included COBOL, Natural, C/C++, Perl, shell scripts, and CVS. Received recommendation for completing the project as scheduled. Development included:

- Designed and developed C/C++ spy applications reporting users activates to supervisors
- Developed C++ multi threaded screen scrapping client/server application interfacing with Mainframe systems of FTB, DMV, EDD, and SOS California state agencies. Extracted real-time data was deposited in SYBASE for further processing
- Developed C++ applications for real-time data transfer, and data conversion between MVS, and HP-UX
- Wrote Unix drivers to monitor status of Ethernet link for system fail-over
- Developed load-balancer to share the load among transaction servers



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Professional Experience

E&S Consulting

Principle Consultant (December 1995 – September 1999)

Various Clients and Positions

California Department of Transportation

Contractor

Developed middleware in C++ for sending messages across network between SunOS and MVS.

Designed and coded various C++ message-parsing and data conversion interface engines to transfer & convert MVS COBOL data files to SunOS client applications

Migration of a massive Mainframe data to SYBASE running under HP-UX and SunOS

Other work involved Unix system administration under SunOS, installation, administration and maintenance of CVS (source code and object revision control), Apache web server and various other compiler and debugging tools.

Paramore Inc

System Administrator

Act as Unix System Administrator for the Paramour Inc to install 21 SunOS servers for 40 Local Area Networks (400 PCs, Windows 3.11), Domain Name Server, the electronic mail, and a web server. Duties include

- Computer trouble shooting, both preemptive and reactive.
- Informal UNIX training of PC and Oracle administrators.
- System administration in a SunOS environment.
- Firewall-1 configuration.
- Shell scripting.
- NIS, NFS, routing and DNS administration.
- Backup tape swapping.
- Sendmail configuration, including mail virus protection.
- Internal Netscape server administration.
- Unix tools installation and configuration.
- User and group administration.



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Publications

- Various articles, white papers and presentations including “Basic Web Enablement”, “New Web Sites From the Ground Up”, “Network Basics”, and others presented and published for The Natural Conferences, and various User Groups.
- UNIX training literature for California Board of Equalization, and California Franchise Tax Board.
- Re-engineering Natural Batch programs for re-start ability and improved efficiency

Education

California State University of Sacramento

- Bachelor of Science, Computer Science

Learning Tree International

- TCP/IP and network programming in C/C++
- Python CGI programming
- Project Management

Meristem/WHO's International

- Natural Fundamentals, ADABAS internals

Sun Microsystems

- Certified Solaris 9 OS internals
- Certified Network Programming Internals of Solaris
- Solaris System Administration
- Advanced Shell programming

Novel

- Certified Novel Network Administration

CISCO

- Certified CISCO Router Configuration

California Board of Equalization – CORE Training Track

- Systems Analysis and Design
- Advanced Testing Procedures
- zSeries Facilities and System Programming
- Solaris Network and System Programming
- Solaris Advanced System Administration

Technical Background

- Unix, Linux (Red Hat, Suse), Solaris, USS/zOS, OS/MVS, DB2, SQL Server, My SQL, PostgreSQL, COBOL, HTML, XHTML, CSS, XML, XSLT, Java (Struts, Spring, POJO, Hibernate), JSP, AJAX, JavaScript, Perl, Python, C/C++, C#, LISP, ML, Smalltalk, ADABAS, Natural, Predict, Construct modeling (MVS, UNIX, Linux, Windows).



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Training and Certifications

- NOVEL system Administrator
- CISCO
- Solaris Administration.
- Solaris Internals
- Solaris Network Programming.
- TCP/IP configuration