

Kayvan Kazeminejad

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Professional Experience

SolutionsWebE

Various Positions and Assignments (June 2002 – Current)

Stack Solutions, Security Enterprise Solutions

Sr. SOA Consultant (Nov 2010 – Current)

Lead SOA and Web services security consultant for a nationwide arm forces enterprise solution. Security concerns surrounding this project does not allow for a detailed specifics of the project.

Technology Stack:

- CA Siteminder security suit to implement Federation, SSO &IDM
- Oracle 11g
- Harden JBoss, and WebLogic Application server
- Apache and IIS
- Oracle ESB
- JMS
- LDAP, ADAM
- Maven apache Felix
- Spring, OSGI, Apache CXF, and Hibernate
- Red Hat Enterprise Linux 5

Northrop Grumman, Electronic Signal Laboratory

Sr. SOA Consultant (Sept 2008 – Sept 2010)

Lead developer for a large scale Java and C++ SOA project. Security concerns surrounding this project does not allow for a detailed specifics of the project.

Technology Stack:

- JEE6, eclipselink
- Harden JBoss, glassfish and WebLogic Application server
- RTI DDS
- JMS
- Oracle 11g and Oracle Times10, Oracle AQ
- LDAP
- Maven apache Continuum
- ClearCase
- Sparx Enterprise Architecture
- Red Hat Enterprise Linux 5

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Sutter Health Organization, State of California *Sr.SOA Consultant (May 2008 –Sept 2008)*

In conjunction with 2 other consultants, designed and coded the My Life Stages Portal (MLS) for Sutter . The intent of the engagement was to deliver key Java components as web services (XML, XSD, WSDL, SOAP) in an SOA architecture with an Spring MVC XSLT view. This MVC implementation allowed html authors to modify/change the content of the web pages as required. The project included creating a complete Maven build system with separate DAO and service façade top\ provide coarse grain persistence artifacts, a separate CXF/Axis Web Services interface, and a Spring MVC front end.

Using DBUnit, H2 Maven and Cobertura we were able to test 80% of the application code through the Maven build.

Technology Stack:

- JBoss Application Server
- MySQL
- OpenID
- JMS messaging
- Spring&hibernate
- Maven
- Red Hat Enterprise Linux 5
- Spars Enterprise Architecture

Alexan International / Department of Motor Vehicles, State of California *Sr. SOA Consultant (June 2007 – May 2008)*

Acting as Principle developer on the XML Redesign Project. The intend of the engagement was to redesign and re-construct DMV existing web applications into a SOAP based web services, and an Spring MVC front end such that DMV may provide support for browser based users, cell/land line telephone users, kiosks and 3rd party web services. Project was awarded "Best of California – Best Public Application" for 2007.

Technology Stack:

- WebSphere Application Server
- DB2, LDAP, MySQL, Adabas
- Software AG Natural
- Spring&Hibernate
- Maven
- Sparx Enterprise Architecture
- IBM AIX 4
- COBOL

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Innotas

Sr. SOA Consultant (August 2006 – July 2007)

Design and build web services based application interface using Service Oriented Architecture (SOA) and Domain Driven Design (DDD) to provide maximum flexibility for business partners and clients to access functionality of the on-demand project management software provided by Innotas.

Utilizing maven and Cobertura coverage tool was able to test 75% application through maven build

Technology Stack:

- Tomcat and ApacheMQ
- Oracle 10G
- Spring&hibernate
- Maven
- Java, Ajax
- Solaris 10

California Secretary of State, Elections Division

Sr. Web Consultant (Aug 2006 – 11/11/2006)

Assigned to enhance, maintain, and develop processes for reporting election results state wide for all elections. The election website is hit 100Ks of times during the 12-14 hours following the closing of the precincts. To reduce the workload, the applet design was implemented by the state to push some of the processing to the client's machines. Each election cycle requires upgrades and enhancements to the election software. Work included:

- Review existing code, test and implement for election night (11/7/2006).
- Redesign java applets for reporting of the election results using UML.
- Create framework where users can change the look and feel of the applets without needing additional programming support to do so.
- Redesign applets to be:
 - Multilingual (Hispanic, English)
 - Spring MVC with XSLT view
- Redesign live data feed from legacy Mainframe COBOL/CICS

Technology Stack:

- Apache, Tomcat
- MySQL
- Hibernate, Spring
- Maven
- RedHat
- Java, Perl

Majors Company / Baker & Taylor

Sr. Web Consultant (Sept 2005 – October 2006)

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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, managing and extending the database structures to enhance or create new applications, and maintenance of existing information in the non-legacy systems:

- Content management (JSP, JSF, HTML, CSS, AJAX, Javascript, Perl, Java, Struts, Spring, POJO, Hibernate, XML/XSLT)
- Develop advanced search engine facilities using Java, C++ and web services(XML, XSD, WSDL, SOAP).
- 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
- 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 using UML to empowering users to alter the look & feel of websites dynamically utilizing Struts, 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 (Red Hat) blades,
 - 4 HP (HP-UX) blades
 - Linux Virtual Servers (LVS) Global File System (GFS) across 7 Dell blades (Red Hat Enterprise Edition)
 - Tomcat, Apache, and SSL, Weblogic

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 Design using UML the Java RPC servers to a more robust JMS architecture utilizing MQ and Websphere embedded messaging APIs for asynchronous communications
- Designed and developed Java XML/XPATH messaging applications, tracking shipment of packages in real time utilizing UPS, FEDEX, and DHL Web Services
- Data conversion from ADABAS to ORACLE utilizing COBOL, ORACLE Data pumps, PL/SQL and, bach shell scripts
- Designed and developed C++ drivers to embed UNIX file system structure (inodes) directly into ADABAS internal buffers. Hence high level COBOL/ADABAS applications may transparently interrogate Unix file system

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- Designed and 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

Senior Developer (August 2004 – December 2005)

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

- Configure Red Hat Linux web servers, Apache, and Tomcat
- Configure RPC servers in z/OS and IBM blades running Red Hat Linux OS
- Develop C++ APIs to dynamically encrypt/decrypt sensitive data for storage in ADABAS
- The completed website technology included:
 - Apache, Tomcat
 - Java, JSP, Javascript, ePortal
 - MySQL
 - Software AG Natural, COBOL on z/OS mainframe
 - Software AG EntireX for communications with back-end processes / z/OS legacy systems

California Department of Mental Health

Consultant (June 2004 – November 2005)

Acted as Enterprise Architect for Mental Health Services Act (MHSA) project. Using SOA style Architecture to build a statewide system to collect and publish information on mental health services provided by 40,000+ providers. Work included:

- Defining the Enterprise messaging queue repository (data bus) using UML.
- Defining the dynamically configurable Service layer
 - Java queue extractors driven by user configurable XSLT adaptors generating Soap/XML messages defined with UML
- Defining the dynamically configurable Presentation layer using UML
 - Using servlets, user configurable XSLT generating XHTML

Taught multiple knowledge transfer seminars on topics including Web Enablement, XML, SOA, UML, Use Case Writing, etc.

Designed and constructed C++ servers and APIs in Unix System Services (USS&z/OS) using UML 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 MySQL for upstream processing

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- 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

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.

California Franchise Tax Board

Contractor (June 2002 – January 2003)

Act as System Programmer designed and developed various TCP/IP C++ programs in an AIX, Solaris, HP/UX and z/OS environment

California Public Employees Retirement System

Instructor: (Various assignments)

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

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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. 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:

- Analysis and design documents using UML, process documents, as well as support documents for use in ongoing maintenance and enhancement.
- 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

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

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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.

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

- Computer Science

Learning Tree International

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

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- 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).

Training and Certifications

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