**Berk Singleton**

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**TECHNICAL SUMMARY: WebSphere Infrastructure Architect**

**Synopsis**: - ***30+* years in information technology, extensive WebSphere, MQ, IIB,**

**MQ/FTE,**  **UNIX/LINUX/AIX and mainframe systems work involving security,**

**SOA, BRMS and**  **systems integration with Middleware, Internet, WebSphere**

**ND/XD/Commerce/Portal Server, SecureWay (LDAP/RACF), Tivoli Access**

**Manager, WebSeal, JAVA, ILOG/JRules, C/C+ and Unix Shells. IBM BigFix and**

**DevOps.**

- **Extensive e-commerce web-site experience (configs, management, tuning,**

**monitoring,etc.)**

**- Infrastructure design and implementation of high volume, multi-tier websites**

**- Ability to work in multiple operating system environments simultaneously**

**- Demonstrated ability to analyze problems, determine root cause and apply**

**appropriate solutions.**

**- Demonstrated ability to handle deadlines and work well under pressure.**

**- Proven ability to adapt to changes in technology and business environments.**

**- Working knowledge of performance, incident, problem and security management.**

**- Registered consultant on IBM/GS database**

**Languages**: **Jython**, **JACL, Shell script**, **TCL**, **ANT**, **CL**, **C/C+**, **SQL**, **JAVA**, **Perl**, **COBOL**,

**JavaScript**, **Visual Basic**, assembler (BAL), JCL, FORTRAN

**OS**: **zOS/390**, **zVM/Linux**, **Solaris/AIX/UNIX**, **OS/400**, **Linux**, RHEL, NT, Windows

2000/98/95, OS/2, DOS, MVS, VM, S/36-38, EDX, RSX-11

**HARDWARE**: **z/Series**, **i/series**, **p/series**, **Sun-Sparc**, **IBM DataPower**, **SoftLayer**, PC's, IVR’s, S/36-

38, SERIES/1, DEC, IBM mainframes

**IAAS Service Providers**:

**IBM Softlayer, IBM PureApp, IBM BlueMix (Paas), Amazon AWS**

**Virtualization: Bare Metal : ESX, XenServer, Hyper-V, Openstack (vmbuilder)**

**Hosted : PowerVM**

**Network**: **Data Center, Core Switches, Proxies, Firewalls, Load Balancers**

**DevOps: IBM BlueMix, IBM PureApp (Cloud), IBM UrbanCode, Docker, Chef, Puppet, GPFS, GIT**

**Storage**: **SAN : EMC, NetApps, IBM XIV**

**NAS : NetApps**

**OpenStack: Cinder, Glance, Swift**

**J2EE Platforms**: **JBoss, Tomcat, WebLogic, WebSphere, Oracle**

**Internet:**  **CA Layer 7, DataPower**, **API Management**, HTML, Apache Server, IBM HTTP Server V2.x,

ORB (CORBA, RMI/IIOP, VisiBroker/GateKeeper), ESI, XML, EJB’s, JSP, SiteMinder Web

agent, , CGI, 3-teir architecture, IBM

**EdgeServer (network dispatcher/caching proxy),** Versata,

**Development Tools:**

**SCM Tool**: Subversion, CA SCM, **Build Tool**: Maven/Ant, Msbuild/MsDeploy,

**Continuous** **Integration tool**: Jenkins/Hudson, **Dependency management tool**: Nexus  
 **IDE**: IBM Rational Tools, WebSphere Studio, Visual Age JAVA IDE

**WebSphere: WebSphere Application Server v3.02/3.5/4.x/5.x/6.x/7.x/8.x/XD:VE**, **Websphere**

**Portal Server** , **v4.2/5.x/6.x, WebSphere Commerce/InfoSphere/Message Broker, Websphere Mobile Wireless Server**, **WESB v6**, **WPS Clustering** technology, WPS, WCM, **WebLogic**, WOLA, Service Integration Bus (SIB) configurations;  **J2EE**  full knowlege of J2EE application packaging and deployment process (JAR/WAR/EAR/xml structures), web container/session management, XML, EJB’s, JSP, ANT); **JVM debugging and tuning**; **SOA/DataPower**; WebSphere Business Monitor v6.2; use **Business Objects with WBI adapters;** use **AST, RAD, wsadmin, jython and JACL as packaging/deployment tools, ILOG/JRules v7.0 BRMS customizations**

**Security: Tivoli Access Manager / Edge Server plug-in, IBM Directory Server**, **Tivoli Identity** **Manager**,on Unix/NT platforms. CA SiteMinder installation/configuration/administration.

Use DMT to manage multiple Master/slave servers. Write **ldap scripts** to administer

server instances. SLAMD testing, configure WebSphere SSO security, **WebSeal** junctions,

**Tivoli Access Manager/Policy Server 3.6/4.1/5.1.**

**UNIX**

**Technology**: **USS**, **Red Hat**, **Sun, AIX, NFS, GPFS, Veritas, Perl client/server/DBI, application tuning**,

systems installation/networking/administration, Hummingbird Connectivity

Suite (x-server, telnet, secure ftp clients, SSH/SCP config) Use of IOStats, VMStats, Netstat, svmon, nmon, TOP, ethereal packet sniffers, rsynch, mksysb, etc…

**AS400**

**TECHNOLOGY: Websphere**, **MQseries**, **Subfiles**, **API’s**, **IPCS(NT, NOTES),**  **HTTP server**, **Domino/400**

**ILE, IFS, DDM, DDM, UDB**

**Network**

**Products**: **MQseries v5/6/7/8/9, IBM BigFIX**, **MQ/FTE**, **Direct Connect (NDM)**, **GENTRAN:Server/400 (EDI**), **JDBC,** **ODBC,** DDCS/OS2, CM2/OS2, PCS/400(OS/2,DOS), QSNADS, RJE

**Monitoring/**

**Schedulers**: **CA Wily v9.x APM/Spectrum/CEM/DCC**, **SCOM**, **ITCAMS, WSAM**, **ROBOT/Schedule,** **Candle (Omegamon Xe)**, **BMC (Patrol)**, ALDON (CMS), SILVON (PAGEMASTER, JOB SCHEDULER), **IBM ILMT, SAS, Manhattan DOM/MIF**, **LoadRunner scripting**

**Database**: **DB2/UDB , MS SQL Server 2000/2005, OS/400 RDBMS**, **Oracle**, SyBase, ACCESS, OS/2,

VSAM, IMS/DLI

**Applications**: **-** **e-commerce platforms**

**- airline reservation systems**

**- medical information systems**

**- large retail store information systems**

**- foreign government IT environment**

**- ISV software product development environment**

**- regional bank financial network**

**- manufacturing and sales automation**

**- state / local government websites**

**- smartcard credit card application (3-tier)**

**- Equity (stocks, options, etc.) trading financial application**

**- Software conversion project (AS400 COBOL to UNIX / NT / AIX)**

**- Multi-protocol data transmission application**

**- Infinium Financial Management suite**

**- bank/client network credit card accounts processing system**

**- global bank network financial transaction processing system**

**- distributed on-line consumer/commercial credit verification system.**

**- distributed on-line automated manufacturing system**

**- distributed on-line insurance network transaction system**

**- distributed on-line municipal government information system**

**EDUCATION**: 32 hrs. Stockton State College, Pomona, NJ

**REFERENCES**: supplied upon request

**Detailed Work Experience *(2000-2017)***

**TxMQ – Charlotte, NC            (REMOTE)                   04/13 – Present**

**Clients: Focus, Flagship, State of Nebraska, Enumclaw, State of Oregon, radialMatrix**

***WebSphere Infrastructure Architect***

**Daily tasks include: Clients’ WebSphere/MQ/IIB/MQFTE SME, WAS v8.x** infrastructure **architecture** analysis, design, and build-outs on IBM SoftLayer platform. IBM PureApp pattern creation and systems installation. DevOps work with OpenStack storage (Cinder, Glance, Swift). Docker and Chef deployments of WebSphere. Use of combinations Python, Shell, ANT for paramitized and repeatable application and systems deployment tasks. Use GPFS as a single scale-out data store for entire enterprise.

**IBM BigFix/IEM/ILMT**: Architect, deploy, migrate from previous version (7.5 to 9.x), configure and train users on IBM BigFix for IBM Endpoint Manager relays/clients for Lifecycle Management (OS Deployment) Patch Management, Software Use Analysis, ILMT, Server Automation.

**IBM BlueMix:** Managing repeatable platform deployments of WebSphere, MQ, DB2.Network, data encryption, and access control into SoftLayer domains.

**IBM SoftLayer**: installation, configuration, tuning and automation scripting of IBM Middleware stack on virtualized SoftLayer systems.

**Univar – Seattle, WA            (REMOTE)                   09/15 – 11/16**

**Full-Time**

***WebSphere Infrastructure Engineer***

**Daily tasks include: WebSphere (Portal, Commerce, AS)/MQ/IIB/MQFTE SME, MuleSoft** build-outs on AWS platform and local servers. **MQ v7 to v9 migration** planning and implementation on Z/OS (capacity planning, sysplex integration with page sets, logs, bootstrap data sets, code libraries, and queue manager configuration data sets defined on shared volumes, configuration planning for TCP virtual IP addresses (VIPA) on each TCP stack in the sysplex). WebSphere commerce and portal migration from v6 to v7/8/9. **Level 3 problem support** for: Printer sharing maintenance, application support, DB2, application network integrations, MuleSoft, AIX/Linux servers.

**Genesis10 – Charlotte, NC            (REMOTE/Local)                   09/14 – 04/15**

**Clients: RTI**

***WebSphere Infrastructure Architect***

**Daily tasks include: Clients’ WebSphere/MQ/IIB SME, WAS v7.x/v8.x** infrastructure **architecture** analysis, design, and build-outs for various internal groups. **MQ Series:** installation, configuration, tuning and automation scripting to z/OS WAS. Message Broker flow writing. **Support z/os WebSphere 8.5 and MQ/FTE for Government CMS Portal Project.**

**Insight Global – Charlotte, NC            (REMOTE/Local)                   11/11 – 09/14**

**Clients: Belk**

***WebSphere Infrastructure Architect***

**Daily tasks include: Clients’ WebSphere/MQ/IIB SME, WAS v7.x/v8.x** infrastructure **architecture** analysis, design, and build-outs for various e-commerce internal groups. **MQ/FTE Series:** installation, configuration, tuning and **automation scripting using ANT, GITHub Desktop**. **z/OS v1R12** details: Datapower xi50 SAF configuration into Communications server (TCP/IP), WebSphere v8.5 z/OS UNIX System Services with (HFS)/(zFS), RACF, System logger, Workload management, IBM HTTP Server for z/OS, SecureWay Security Server (LDAP) Server, IBM HTTP Server for z/OS. Configure WebSphere WOLA (JCA, proxy EJB, connection factory) into IMS and CICS. **Perform jvm tuning, javacore and heapdump analysis**. WebSphere deployment automation analysis, configuration and implementation on various platforms. **CA Wily toolset:** installation (APM, CEM, Spectrum, DCC, etc..), configuration, dashboarding, and usage enterprise-wide for problem analytics to solve application, system problems and eCommerce site performance tuning. **IBM ILMT v7.5:** tool component installation (WebSphere, DB2, LPAR/WPAR/Windows(CIT) server agents), configuration and usage. **SAS** application monitoring and tuning. **Manhattan DOM/MIF:** installation, configuration, Weblogic jvm tuning. CA Layer 7 POC development. MQ, MQ/FTE tuning and optimizations.

**TxMQ/Radial Matrix – Richmond, VA           (REMOTE/Local)                   08/10 – 11/11**

**Clients: AAA, CyberShift, HealthPlan Services, CNA, Georgia Farm Bureau, Utica National**

***WebSphere Infrastructure Architect***

**Daily tasks include: WAS v6.1/v7.x and MQ/IIB** infrastructure **architecture** analysis, design, and build-outs for various clients. Design e-commerce IT infrastructure integration points for messaging, SOA services and monitoring. Perform jvm tuning, javacore and heapdump analysis. Deployment automation analysis, configuration management and packaging. Create WebSphere-centric network diagrams. Provide mentoring on IBM middle-ware products, technologies and procedures. Provide root cause analysis and resolution for problems involving WebSphere products. ITCAMS monitoring integration with various appServer endpoints.

**Platforms include** : **z/Linux, ESX v4 Windows, AIX (lpar, wpar), DataPower xi50 (firmware 3.8, 4.01)**

**WebSphere include**: **WBI-FN, ESB, Portal, ND, XE, MQSeries, MQ/FTE WBM v6.2 (widgets, modeler, events, etc.)**

**Markel  – Glen Allen, VA                                                                                10/09 – 08/10**

***WebSphere Infrastructure Architect*  (Morton Consulting)**

**Daily tasks include:** WAS v6.1/v7.x architecture review, and infrastructure analysis for a POC VMWare **ESX v4 Windows** **WASv6.1/v7.x/ND** installation, **J2EE monitoring infrastructure utilizing SCOM and custom Management Packs (MP’s)**, creation of **SCOM Distributed Applications**, jvm tuning, javacore and heapdump analysis. E-commerce deployment automation analysis, configuration management and packaging.

**ESX Specific**:Installation of ESX Servers, vSphere Client and Vcenter Server, create the datastore for storing VMs and data, deploy Virtual Machines using Clones, Snapshots, and templates. Perform

Health Check for VMs and ESX host, Present / Assign LUN to ESX host(s).

**Avnet – Phoenix, AZ (REMOTE) 10/09 – 10/09**

***WebSphere Infrastructure Architect* (RadialMatrix, LLC)**

**Daily tasks include:** WAS v6.1 installation; write WAS build automation scripts. Configure security, JMS, jdbc, and verify installation.

**United Health Care – Plymouth, MN (REMOTE/LOCAL) 03/09 – 08/09**

***WebSphere Infrastructure Architect* (Act Consulting)**

**Daily tasks include: WebSphere SME on z/VM 5.4: Linux 2.6.x:64bit ND v6.x/v7.x.** . Perform greenfield WASv7.x **z/Linux** configuration. **WESB** configuration andtuning (XSLT vs. business object mapping), Guest architecture review andinfrastructure analysis. Create shared WAS installation directory using minidisks. Assist system programmers in LPAR weighting, memory allocation, Linux swap (cstore, xstore), and scheduler configuration. Post-kickstart configuration of WAS clustered environments. Configure WebSphere/Linux Tivoli monitoring. security auditing, web services, flexible management, web container set-ups, CIM, etc.. Toolset includes: Velocity, Pattern Modeling & Analysis Tool for GC, z/VM Perf toolkit..

**Specialized task:** WebSphere SME across numerous IT groups and WebSphere projects. **ILOG JRules v7.x**

**rules execution server configuration, BRMS set-up.**

**American Airlines – Dallas, TX 06/07 – 09/08**

***WebSphere Infrastructure Architect* (Clarity Resources)**

**Daily tasks include**: **WebSphere v6.x** SME. Architecture review, and infrastructure analysis for a greenfield **z/Linux** **WASv6.1/ND/XD** installation, J2EE monitoring infrastructure work-up, jvm tuning, javacore and heapdump analysis. JMS/SIB configuration. Jython coding for automated configuration management and packaging. DataPower configuration.

**XD includes**: Operations Optimization, ODR set-ups, Application Edition Manager scripting, CIM scripting, core group management, including multi- cell configuration..

**WESB includes**: Configuring multiple inbound services, XSLT, business object mapping, event table DB optimization

**Specialized task:** WebSphere SME across numerous IT groups and WebSphere projects. Install IBM ILMT tool.

**Lydian Technologies – Jacksonville, FL (REMOTE/LOCAL) 03/07 – 05/07**

***WebSphere Infrastructure Architect* (P2P Staffing)**

**Daily tasks include**: **AIX WebSphere v6.x** Architecture review, and infrastructure analysis. AIX v5.3 installs, disk and SAN installation. Provide SME support of WAS v6.x infrastructure. Installation of WAS ND v6.x clustered environment for scaling performance test.

**Specialized task:**  Write detailed analysis documention on J2EE monitoring infrastuture and toolsets.

**CyberShift – Parsippany, NJ (REMOTE) 02/07 – 03/07**

***WebSphere Infrastructure Architect* (Garrett-Sayer)**

**Daily tasks include**: **Windows WebSphere v5.x** architecture review, and infrastructure analysis. Javacore/thread dumps and heap dump analysis. Advanced jvm tuning based on performance

data from IntroScope and TPV data. Provide SME support of WAS v5.x infrastructure. Installation of WAS ND v5.x clustered environment for scaling performance test.

**Specialized task:**  Write detailed analysis documention on tuning of WASv5.x. Install IBM ILMT tool

**Kaiser Permanente – Pasadena, CA 09/06 – 12/06**

***WebSphere Infrastructure Architect* (IBM/GS - Incentric Solutions)**

**Daily tasks include**: **pSeries (AIX) WebSphere v6.x** architecture review, and environment

architectural analysis. Train staff on WAS v6.x components, installation and tuning. Design, code, install and document WAS v6.x installation scripts for concurrent server installs and updates. Provide SME support of WAS v6.x infrastructure support.

**Specialized task:**  Write detailed installation documention for WAS admins on installation of WASv6.x.

**American Automobile Association – Charlotte, NC (REMOTE) 09/06 – 10/06**

***WebSphere Infrastructure Architect* (Yorel, Inc. - Incentric Solutions)**

**Daily tasks include**: **iSeries v5r2 WebSphere v6.x** architectural analysis, configuration review, and performance tuning. Use iDoctor, TPROF, PEX and other OS.400 java tools for perfomance diagnose and JVM tuning. Make recommendations on subsystems, memory pools, activity levels and partitioning.

**Specialized task:**  Write detailed report on performance analysis and recommendations for iSeries tuning and performance management.

**Boston Stock Exchange – Boston, MA (REMOTE) 05/06 – 08/06**

***WebSphere Infrastructure Architect* (Incentric Solutions)**

**Daily tasks include**: **pSeries WebSphere MQ v6** architectural analysis, configuration review, and HA (high-availability) diagnosis. Configure MQSeries to work with remote MQSeries clients and hubs, including use of security exits. Design 24x7 MQSeries operations infrastructure for failover, problem resolution and ease of use, including use of MQ clusters, message monitoring, MQ alerts and SNMP support.

**Specialized task:**  Write detailed analysis of existing MQSeries proposed design, with emphasis on Best Practices and infrastructure support.

**Kaiser Permanente – Pasadena, CA 02/06 – 04/06**

***WebSphere Infrastructure Architect* (IBM/GS - Incentric Solutions)**

**Daily tasks include**: **pSeries WAS Edge Server v5.0** load balancer component network architecture analysis, configuration review, and problem diagnosis. JVM tuning, HTTP server and OS tuning of Edge Server components. Research and analyze how **WebSphere XD**, and/or load balancing appliances would improve throughput and management of traffic and services. Research and analyze how Tivoli Provisioning Manager, Tivoli Monitoring for Transaction Performance, Tivoli Composite Application Manager for Response Time Tracking and Tivoli Web Site Analyzer would improve the Edge Server infrastructure support. Design, code, install and document Edge Server custom advisor. Provide SME support of WAS Edge Server infrastructure.

**Specialized task:**  Write detailed analysis with emphasis on Best Practices and solutions for extending performance, monitoring and functionality.

**Ralph Lauren (Polo) – Greensboro, NC (REMOTE) 01/06 – 02/06**

***WebSphere Performance Engineer* (IBM/GS – Incentric Solutions)**

**Daily tasks include**: **iSeries v5r2 WebSphere** performance tuning on i570 servers. J2ee performance analysis and tuning to maximize WebSphere, DB2, LDAP, and MQ Series performance. Use iSeries tools (dmpjvm, anzjava, iSeries doctor, etc..)

**Specialized task:**  Perform jvm tuning to maximize WebSphere / lpar performance.

**State of Nebraska – Lincoln, NE (REMOTE) 01/06 – 01/06**

***WebSphere Performance Engineer* (IBM/GS – Incentric Solutions)**

**Daily tasks include**: n-tieir validation of proposed WebSphere network architecture. Performance analysis and tuning of new p570 AIX systems to maximize WebSphere, DB2, and MQ/FTE Series performance.

**Specialized task:**  Perform jvm tuning to maximize WebSphere / lpar performance.

**MMC 20/20, Inc. – Atlanta, GA (REMOTE) 11/05 – 12/05**

***WebSphere Performance Engineer* (Strategic Technology)**

**Daily tasks include**: Deploy, tune and manage WebSphere v6.xinstallations for various nation-wide clients on **p and z series**. Troubleshoot client WebSphere and Oracle configurations. Create and implement network and j2ee performance improvements.

**Specialized task:**  Improve the deployment process of the MMC 20/20 j2ee code-base into WAS servers.

**Wal-Mart – Bentonville, AR 06/05 – 11/05**

***z/OS WebSphere Systems Programmer* (EKI)**

**Daily tasks include**: **z/OS WebSphere EE/PME v5.x** infrastructure engineering (WMQ, J2C, etc.) Use OS/390 USS and ISPF toolsets for configuration and management of control regions, servants, wsadmin and WAP scripting, troubleshooting, SVC dump analysis, deployment, clustering, tuning, etc. Site infrastructure analysis and migration planning and implementation from WAS 5.02 to WAS 5.1.1.

Installation and configuration of WAS v6.0. on dev lpar with goal towards future migration.

**Specialized task:**  **WSAM** installation and configuration of managing AIX server, configuration of z/OS data collector servants, setting alerts/traps, and **problem diagnosis methodology**.

**Railinc – Cary, NC 05/05 – 06/05**

***WebSphere Infrastructure Architect* (Strategic Technology)**

**Daily tasks include**: **pSeries WebSphere EE /PME v5.x** infrastructure engineering (WMQ, WBI, etc.) Configuration, troubleshooting, deployment, clustering, tuning, wsinstance set-ups, etc.. Site infrastructure analysis and migration planning from WAS 5.02 to WAS 5.1.1 and WAS 6.0. Edge Server implementation planning.

**USAF – Mongomery, AL 04/05 – 05/05**

***WebSphere Infrastructure Architect* (IBM/GS - Encode, Inc.)**

**Daily tasks include**: **pSeries WebSphere Portal v5.x** infrastructure engineering (TAM, WebSeal, WMQ, WBI, etc.) Configuration, troubleshooting, deployment, clustering, tuning, etc.. Implementation of portal disaster recovery and multiple application db failover across WAN topologies for government installations. Write detailed analysis of WAS installation, with implementation plan for improvements.

**ADP – Parsippany, NJ 03/05 – 04/05**

***WebSphere Infrastructure Architect* (IBM/GS - Encode, Inc.)**

**Daily tasks include**: **Windows 2000 WebSphere v5.0** application debugging, jvm optimization, and IIS server problem diagnosis. Use packet sniffer (Etheral) to analyze TCP/ip traffic. Analyze core files, thread dumps, and heap dumps. Use heaproots, ThreadAnalyzer, HeapAnalyzer and hprofs profiling toolsets. Show customer how to diagnose WebSphere problems.

**Government of Quebec – Quebec, Canada 02/05 – 03/05**

***WebSphere Infrastructure Architect* (IBM/GS - Encode, Inc.)**

**Daily tasks include**: **WebSphere Edge Server v5.0** network architecture analysis, configuration review, and problem diagnosis. Work on reverse proxy, and caching problems with Edge Server installed on AIX. Fine-tune **ibmproxy.conf, osdef.conf, ibmwesas.conf, and usermap.conf** configuration files. Optimize performance of ldap/db2/ES Policy Director Plug-in. Configure junctions, SSO, and TAI’s. Write detailed analysis of Edge Server architecture with best-practices input.

**Specialized task:**  On-going support of Edge server infrastructure technology.

**HSBC – Jersey City, NJ 12/04 – 02/05**

***WebSphere Infrastructure Architect* (IBM/GS - L&A, Inc.)**

**Daily tasks include**: Perform specialized WebSphere related (scripting, architecture, design)

tasks as required by HSBC to augment staff projects, and provide on-site Level 1 problem

resolution.

**Lowes Corporation – Wilkesboro, NC 11/04 – 11/04**

***WebSphere Infrastructure Architect* (IBM/GS - L&A, Inc.)**

**Daily tasks include**: Perform n-tier review, comment, revision of new AIX p570 architecture built

around WAS v3.5 to WAS v5.1 migration project. Write validation document of new architecture

with emphasis on memory-to-memory session management, SAN technology, and WAS tuning.

**SunGard – Voorhees, NJ 10/04 – 11/04**

***WebSphere Infrastructure Architect* (IBM/GS - Encode, Inc.)**

**Daily tasks include**: Installation and configuration of complete WebSphere infrastructure:

-WAS v5.02 EE server -WAS v5.02 EE ND

-WAS v2.0 Edge Server (load-balancer) -WAS MQ 5.3 w/clusters

-WAS MQI v2.0 Broker, w/Configuration Manager set-up on W2k system

-DB2 UDB Connect EE v8.1 -IBM Directory Server v5.1 (ldap)

-GPFS Configuration -WAS clustering

Migrate j2ee application from AIX p670 lpars to p650 lpars for client Washington Gas.

**Government of Bahamas – Bahamas (REMOTE) 10/04 – 10/04**

***WebSphere Infrastructure Architect* (IBM/GS - Encode, Inc.)**

**Daily tasks include**: **WebSphere Edge Server v2.0** problem diagnosis. Worked to resolve problem with Edge Server installed on W2k not responding to SSL inputs. Fine-tuned ibmproxy.conf file, worked with firewall configuration, and Domino iNotes server. New Edge Server installation and configuration work.

**Computer Sciences Corporation – Washington, DC. 09/04 – 10/04**

***WebSphere Infrastructure Architect* (IBM/GS - Encode, Inc.)**

**Daily tasks include**: **WebSphere v5.1** infrastructure work helping client design MQSeries clusters, and WAS failover utilzing Edge Servers and Veritas Clustering softwware for Office of Homeland Security.

**Specialized task:**  Tutor client on WAS architecture, emphasizing ND, and Edge Servers.

**Cadence – San Jose, Ca. 08/04 – 09/04**

***WebSphere Infrastructure Architect* (IBM/GS -Versant, Inc.)**

**Daily tasks include**: **WebSphere v5.1** **JVM tuning**, and **application performance monitoring**. Utilize IBM JVM toolset (hprofs, javacores, cores, threadAnalyzer, ,GCPortal, etc.) to analyze suspected memory leaks, java hot-spots and thread dead-locks on Solaris 8. Tune jvm's using multiple cpu jvm dynamics.

**Specialized task:**  Set-up, and instruct customer on how to use Tivoli Performance Monitor tool, and metrics. Document the IBM toolset on jvm, and application performance tuning. Perform code reviews for j2ee best practices in regards to ejb’s and mdb’s.

**Sprint – Kansas City, Mo. 05/04 – 06/04**

***WebSphere Portal Administrator* (IBM/GS -Act 1, Inc.)**

**Daily tasks include**: **WebSphere v5.0.2**, WPS v5, and WEMP (mobile wireless portal) installs. AIX 5.1 installation planning (disk, network, security, performance). PMR resolution, fix installations. Application deployments using WSADMN/TCL, and xmlaccess scripting. WPS/WAS, and HACMP clustering setup.

**Specialized task:**  Develop silent installation scripts. Planning for **LDAP usage with WebSphere Portal Server**.

**Mutual of Omaha – Nebraska, Ne. 03/04 – 04/04**

***WebSphere Administrator* (IBM/GS - Encode, Inc.)**

**Daily tasks include**: **WebSphere v5.0.1** **JVM tuning**, and **application performance monitoring**. Utilize IBM JVM toolset (hprofs, heap-dumps, jextract/jformat, javacores, cores, threadAnalyzer, etc.) to analyze suspected memory leaks, java hot-spots and thread dead-locks on AIX 5.1 platforms.

**Specialized task:**  Set-up, and instruct customer on how to use Tivoli Performance Monitor tool, and metrics. Document the IBM toolset on jvm, and application performance tuning.

**UMB Bank – Kansas City, Mo. 05/03 – 02/04**

***WebSphere Administrator***

**Daily tasks include**: install, configure, and manage **WebSphere AS 4.x/5.x**  and **Websphere Portal Server** software on AIX 5.0x for test/dev/production environments. Deploy **J2EE** EJB’s/servlets to WebSphere server using WAR/EAR files. Work from green-field, and create proper deployment methodology, and practices. Work with developers to fine-tune applications on web, and middle-ware (MQ) integration.

Troubleshoot problems with WebSphere software in development, test, and production environments.

Use Hprofs, PMI, and other toolsets to analyze memory leaks, garbage collection cycles, and java

hot-spots. Set-up WebSphere related directives of Apache/IBM Http servers (alias’s, redirects, logging, etc.) Set-up remote logging server for WebSphere cores, logs, log4j output. Handle migration of 4.x code base to 5.x.

**Set-up NT Network Deployment Server** for 5.x. Work with JDBC type 4 drivers and data source configs for

MS SQL Server connections.

**Specialized task: Create command-line tool-set which will evolve into batch operations for code deployment. Create Perl/ksh scripts for WebSphere status monitoring utilized by operations staff.**

**SunTrust - Richmond, Va. 02/03 - 04/03**

***WebSphere Administrator* (TekSystem, Inc)**

**Daily tasks include**: install, configure, and manage **WebSphere 4.x** environments,

**SecureWay Directory Server 3.2.2** software on Solaris for test/production environments.

Deploy **J2EE** EJB’s/servlets to WebSphere server using WAR/EAR files. Performance

monitoring using **Omegamon Xe**, unix, and WebSphere tools.

**SecureWay Directory Server:** install, configure v3.2.2 software. Set-up master/slave instances, write LDAP admin scripts.

**Specialized task:** use unix (iostat, vmstat), open source tools, (LinPack, Volcano, jMeter) and write shell scripts to compare various Solaris servers as platforms for WAS-Ae v4.0x. Write paper documenting the tests, and analyzing the data, with recommendations**.**

**US Steel – Pittsburgh 02/02 - 02/03**

***WebSphere Administrator* (ComputerPlus, Inc)**

**Daily tasks include**: install, configure, and manage concurrent **WebSphere 3.5/4.x/5.x** environments, IBM HTTP (apache) Server administration, **EdgeServer**, **Oracle**, **MQseries**, software on Solaris for test/production environments. Deploy **J2EE** EJB’s/servlets to WebSphere server using WAR/EAR files. Performance monitoring using unix, and WebSphere tools. Upgrade/rollout v3.5 to v4.0, while running simultaneous on same system. Set-up **tivoli back-up/restore functions** across SAN. Upgrade/rollout v4.x to v5.x, in test environments. Use ANT/CVS to manage, and deploy development object streams.

**WebSphere server work**: Write Websphere utilities scripts in WSCP/TCL shell to facilitate J2ee functions (i.e. back-ups, xml tasks, manage JAR’s, EAR;s WAR's). Configure and deploy server-side components (servlets, JavaServer Pages, enterprise beans) on Solaris systems. Set-up session management db’s, use XMLconfig/WSCP tools for deployment tasks, use work load management services (models, vertical/horizontal cloning, wlmjar, etc.). Write menu driven UNIX shells to install/manage WAS applications. Create server failover technique and transaction load management utilizing IBM EdgeServer and WebSphere technologies. Set-up custom security utilizing homegrown java application. Write interactive ksh wrappers around drAdmin, WSCP, network dispatcher, and other utilities..

**EdgeServer v1.2 work**: install, configure ND software to work with proxy servers, and WebSphere server attached IBM http servers. Write custom advisor java code to monitor selected downstream applications.

**IBM IHS (apache) server work**: install, configure server, using SSL, redirections, source directory,

virtual hosting directives, etc..

**State of Utah - Salt Lake City 07/01 - 01/02**

***WebSphere Administrator* (TEK Systems/Maxim Group, Inc)**

**Daily tasks include**: install, configure, and manage **WebSphere 3.5/4.0**, Netscape Enterprise Server, **DB2/UDB**, **MQseries**, and **SiteMinder** software on AIX for test/production environments. Deploy **J2EE** iPlanet EJB’s/servlets to WebSphere server using WAR/EAR files, deploy Versata applications.

**Websphere server work**: Write Websphere utilities scripts in WSCP/TCL-TK shell to facilitate functions (i.e. back-ups, xml tasks, JAR’s). configure and deploy server-side components (servlets, JavaServer Pages, enterprise beans) on AIX/Solaris systems. Participate in deployment and evaluation of multiple partitioned zOS390-Linux-WebSphere servers. Set-up session management db’s, use mainframe repository db’s, use XMLconfig/WSCP tools for deployment tasks, use work load management services (models, clones, wlmjar, etc.). Write menu driven UNIX shells to install/manage WAS and Versata applications. Create server failover technique and transaction load management utilizing IBM EdgeServer and WebSphere technologies.

**American Express - Salt Lake City 06/00 - 07/01**

***WebSphere Administrator* (Maxim Group, Inc, 06/00-04/01, Yoh, Inc. 04/01-07/01)**

**Daily tasks include**: install, configure, and manage **WebSphere 3.02**, Apache/IBM HTTP server, IIS, Netscape Enterprise Server, DB2/UDB, **MQseries**, and **SiteMinder** software on Sun Solaris, AS/400, andNT servers for development and test environments. Create turnover strategy utilizing UNIX CVS repository and scripts. Create server failover technique and transaction load management

using virtual hosts, and hardware. Work with developers on multiple platforms/topologies/software to launch application.

**Websphere server work:** Write Websphere utilities scripts in Perl, shell to facilitate functions (i.e. back-ups, xml tasks) and back-up to admin console. Write Perl sockets functions for multiplatform WebSphere admin tasks. configure and deploy server-side components (servlets, JavaServer Pages, enterprise beans) on AS400/Unix/Linux servers, create virtual hosts, netscape server instances, connection pooling with class objects, configure DB2/UDB w/JDBC applet server, configure JDBC drivers, use XML configuration for deployment tasks, configure multiple servers with “thin” redirectors, (OSE remote, standalone), use work load management services (models, clones, wlmjar, etc.), configure ORB services (Inprise visibroker, IBM component broker). Write menu driven UNIX shell to install/manage WAS and applications…

**Communications work includes**: Network integration of AS400 and Solaris platforms using MQseries clients and servers w/clustering.

**Detailed Work Experience *(1980-2000)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Supplied Upon Request