

# **SOFTWARE RELATED EXPERIENCE**

## **IBM MAINFRAME**

### **IBM Operating System INSTALLS/UPGRADES/CONFIGUTATIONS**

- z/OS 2.1
- z/OS 1.12
- z/OS 1.11
- z/OS 1.10
- z/OS 1.9
- z/OS 1.8
- z/OS 1.7
- z/OS 1.6
- z/OS 1.5
- z/OS 1.4
- z/OS 1.3
- z/OS 1.2
- z/OS 1.1
- OS/390 V2R10
- OS/390 V2R5
- OS/390 V1R3
- MVS/ESA 5.2.2
- VM/ESA Rel 2 Ver 2.2
- VM/ESA Rel 1 Ver 2.1
- VM/ESA Rel 1 Ver 1.0
- VM/SP Rel 6
- VSE/ESA Rel 2 Ver 1.1
- VSE/ESA Rel 1 Ver 3.6
- VSE/ESA Fastservice Upgrade to Rel 1 Ver 2.1
- VSE/ESA Rel 1 Ver 2.0
- VSE/SP Fastservice Upgrade to Rel 2 Ver 1.7

### **COMPONENT INSTALLS/UPGRADES/CONFIGUTATIONS**

- IBM COMMUNICATION SERVER (TCP/IP)
- IBM TN3270E
- IBM FTPS
- IBM DYNAMIC VIRTUAL IP ADDRESSING (DVIPA)
- IBM SYSPLEX DISTRIBUTOR
- IBM ADDRESS RESOLUTION PROTOCOL (ARP) TAKEOVER
- IBM DUAL STACK CONFIGURATIONS (CINET)
- IBM VTAM
- IBM NETVIEW

- ASG TMON FOR TCP/IP
- ASG TMON FOR VTAM
- IBM TIVOLI OMEGAMON FOR NETWORKS
- IBM TIVOLI ENTERPRISE PORTAL
- IBM Packet Trace and Component Trace / GTF
- IBM LINE PRINTER REQUESTOR (LPR)
- IBM NETWORK PRINT FACILITY (NPF)
- IBM ACFNCP
- IBM ACFSSP
- IBM EP
- IBM Server Time Protocol(STP)
- IBM ICSF
- IBM IPCS
- IBM INFOPRINT CENTRAL
- IBM INFOPRINT SERVER
- CA-SOLVE TCPACCESS REL 4.1, 5.2, 5.3
- CA-NETSPY
- CA-NETMASTER
- CA-SYSVIEW
- NETWORK SYSTEMS CORP. TCPXAPI
- OPEN CONNECT SYSTEMS FTP SERVER/CLIENT
- LRS-VTAM PRINTER SUPPORT(VPS) V1R7, V1R8, V2R1
- LRS-VPS MONITOR AND CONTROL FACILITY(VMCF)
- LRS-Dynamic Report System(DRS)
- IBM PSF/AFP
- IBM AFP to PCL TRANSFORMS
- IBM DB2 V10R1
- IBM DB2 V9R1
- IBM SMP/E
- IBM CICS/TS 4.2 / 4.1 / 3.1
- IBM CICS/ESA
- IBM CICS/VSE
- IBM Enterprise COBOL
- IBM DFSORT
- IBM ICKDSF
- IBM MQSERIES
- IBM SDF/CICS
- IBM JES2
- IBM JES2 OFFLOAD / RELOAD Utility
- IBM Performance Reporter for OS/390
- IBM Workload Manager
- ASG TMON FOR CICS
- ASG TMON FOR z/OS
- ASG TMON FOR IMS

- ASG TMON FOR DB2
- ASG-ViewDirect for z/OS
- ASG-ZEBB
- ASG-ZACK
- ASG-ZEKE
- BIMoyle BIM CONSOLE
- BMC DATABASE ADVISOR / IMS
- BMC ULTRAOPT/IMS
- BMC UNLOAD PLUS/IMS
- BMC LOAD PLUS/IMS
- BMC SECONDARY INDEX UTILITY
- BMC DATABASE UTILITIES
- BMC RECOVERY PLUS FOR CICS/VSAM
- BMC AUTOOPERATOR
- BMC AUTOOPERATOR/CICS
- BMC MAINVIEW FOR MVS
- BOOLE CICS MANAGER
- CA-ACF2
- CA-ACF2/CICS
- CA-ALLOCATE
- CA-DISK
- CA-EPS
- CA-EXPLORE/VSE
- CA-EXPLORE/CICS
- CA-EXPLORE/VM
- CA-EXPLORE/VTAM
- CA-FAVER/FAVER2
- CA-VSAMAID
- CA-HYPERBUF
- CA-INTERTEST/CICS
- CA-MASTERCAT
- CA-EXTEND/DASD
- CA-DYNAM/T
- CA-DYNAM/FI
- CA-DYNAM/D
- CA-DYNVM EXTENSION
- CA-MIM
- CA-OPSMVS
- CA-JARS/BATCH
- CA-JARS/CICS
- CA-RAPS
- CA-RAPS CMS Interface
- CA-SPOOL
- CA-EXTEND/VSE

- CA-SORT
- CA-FAQS/PCS
- CA-SCHEDULER
- CA-ALERT/VSE
- CA-DELIVER
- CA-PANVALET
- CA-VIEW
- CA-1
- Candle/Tivoli OMEGAMON/VM
- Candle/Tivoli OMEGAMON for IMS
- Candle/Tivoli OMEGAMON for z/OS
- Candle/Tivoli OMEGAMON for CICS
- Candle/Tivoli ADMINPAC for MQSERIES
- Chicago-Soft MVS/QUICKREF
- Cole Software XDC
- Compuware XPEDITER/CICS
- Compuware XPEDITER/XCHANGE
- Compuware XPEDITER/TSO
- Compuware ABENDAID
- Innovation FDR
- MacKinney Systems JSF
- MacKinney Systems JES Report Broker(JESRB)
- MacKinney Systems CICS/CEMT for BATCH
- MacKinney Systems CICS/EASY HELP
- MacKinney Systems CICS/MESSAGE
- MacKinney Systems LISTCAT PLUS
- MicroFocus
- Messagequest File Transfer Facility/MQSERIES
- Pecan Software SMART JA
- PKWARE PKZIP
- Software Diversified Services MULTITERM Session Management
- Sterling DYLAHOR DIVISION QUICKJOB
- Sterling COMMERCE DIRECT CONNECT (NDM)
- Sterling SOFTWARE VMBACKUP/HiDro Disaster Recovery Option
- Oracle/StorageTek NCS / ELS
- Oracle/StorageTek ExLM
- Oracle/StorageTek ExPR
- Oracle/StorageTek ExTM
- Oracle/StorageTek HSC
- Oracle/StorageTek CSC
- Oracle/StorageTek LibStation
- Oracle/StorageTek VTCS
- Syncsort SORT/MVS
- Syncsort SORT/VSE

- SAS Institutes BASE Statistical Analysis System(SAS)
- Tone Software Flasher
- Xenos Output Master

## **IBM MIDRANGE**

### **OS/400 OPERATING SYSTEM INSTALLS/UPGRADES**

- OS/400 Rel 1
- OS/400 Rel 2

### **OS/400 COMPONENT INSTALLS/UPGRADES**

- OS/400 COBOL
- OS/400 TIME DEPENDENT SCHEDULING
- OS/400 PTF APPLICATION

### **DELEVOPMENT PROJECTS**

- Assorted VM/REXX EXEC's, CLIST's
- OS/400 to Mainframe CICS APPC File Transfer Program
- Various Assembler Exits

# **HARDWARE RELATED EXPERIENCE**

## **CPU' s**

- IBM 2827/ z12 Enterprise Class
- IBM 2828/ z12 Business Class
- IBM 2098/ z10 Business Class
- IBM 2096 / z9 Enterprise Class
- IBM 2094 / z9 Business Class
- IBM 2084 / z990
- IBM 2086 / z890
- IBM 2066 / z800
- IBM 2064 mod R102 / z900
- IBM 9672 mod R55
- IBM 9672 mod R21
- IBM 9021 mod 982
- IBM 9121 mod 511
- IBM 9121 mod 260
- IBM 9121 mod 210
- IBM 9121 mod 190
- IBM 9221 mod 191
- IBM 4381 (Dual's, Uni's)
- IBM 4341
- IBM AS/400 B/50
- IBM AS/400 F/45

## **Network Interfaces**

- IBM OSA-Express3 10GbE
- IBM OSA-1000Base-T
- IBM Open Systems Adapter (OSA) Express configurations
- IBM Open System Adapter (OSA)-Express 3 & the Integrated Console Controller (ICC)
- IBM Open System Adapter (OSA)-Express 3 Gig Ethernet
- IBM Open System Adapter (OSA)-Express 2 Gig Ethernet
- IBM OSA-3
- IBM OSA-2
- IBM OSA-EXPRESS FENET

## **Cryptographic cards**

- [Crypto Express4S](#)
- Crypto Express3 Coprocessor (CEX3C) and Accelerator (CEX3A)

### **Virtual Tape / Disk**

- Secure Agent VTS Appliances
- Oracle / Sun / StorageTek VTSS 5
- Oracle / Sun / StorageTek VTSS 4
- Oracle / Sun / StorageTek VTSS 3

### **DASD / Disk**

- Oracle / Sun / StorageTek V2X2/V2X4f Shared Virtual Array (SVA)
- Oracle / Sun / StorageTek Iceberg 9393
- IBM 3390 Mod 3
- IBM 3380 A, B, J, & K's
- IBM 9335
- IBM 9336
- IBM RAMAC 9394 Disk Array
- EMC 5330 Disk Array
- EMC VMAX Disk Array

### **DASD Controllers**

- 3880
- 3990 Mod 1 & 3's (Uncached & Cached)

### **Robotic Tape Libraries**

- Oracle / StorageTek SL8500
- Oracle / StorageTek SL3000
- Oracle / StorageTek 9310 Powderhorn
- Oracle / StorageTek 4410 Powderhorn

### **Robotic Tape Libraries Features**

- Oracle / StorageTek Dual TCPIP
- Oracle / StorageTek Partitioning
- Oracle / StorageTek Near Continuous Operations (NCO)
- Oracle / StorageTek StreamLine Console (SLC)
- Oracle / StorageTek Dual CAPS

### **Tape Drives**

- Oracle / StorageTek T10Kx
- Oracle / StorageTek 9940x
- Oracle / StorageTek 9840x
- Oracle / StorageTek Timberline
- IBM 3490E
- IBM 3490
- IBM 3480
- IBM 3420
- IBM 3422



### **Tape Controllers**

- Oracle / StorageTek TCPIP 9330 LMU
- Oracle / StorageTek 9310 LMU

### **System Printers**

- XEROX Laser's
- IBM 6262
- IBM 4245
- IBM 4234
- IBM 3300
- IBM 3900

### **Terminal Controllers**

- IBM 3274
- IBM 3174
- IBM 3174 w/Gateway Feature

### **Communication Controllers**

- IBM 3172
- IBM 3725
- IBM 3745

### **Protocol Converters**

- IBM 5209
- IBM 5208

### **Token Ring MSAU**

- IBM 8228
- IBM 8230
- IBM 9037 Sysplex Timer
- Assorted PC's
- Various RISC/6000 Models

## **TECHNICAL EDUCATION**

- IBM Networking Systems Technical Conference
- IBM UNIX System Services
- IBM TCP/IP Implementation
- TCP/IP Problem Determination
- TCP/IP Diagnostic and Debugging
- TCP/IP High Availability Solutions
- TCP/IP Architecture
- ITIL Foundations
- z/OS MVS Diagnostic Workshop
- IBM Performance Conference
- IBM MQSERIES Performance/Admin Smooth Start Class
- IBM WebSphereMQ Boot Camp
- IBM DB2 V9 Implementation Class
- CA-NetMaster
- CA-SYSVIEW
- IBM VSE/ESA Internals Class
- IBM VSE/ESA Technical Conference Classes
- IBM VSE/ESA Migration and Facility Rel. 1 & 2 (31 Bit)
- S/390 Assembler Language Programming
- Oracle/StorageTek Nearline Systems Seminar
- Oracle/StorageTek SMC/HSC Knowledge Transfer
- Oracle/StorageTek ExLM MVS Systems Administration
- Oracle/StorageTek VSM MVS Systems Administration
- Oracle/StorageTek Crypto Key Management Station Overview
- World Alliance of VM and VSE Technical Conference Classes
- SUNGARD Disaster Recovery Annual Workshops
- IBM AS/400 Communications(includes S/370 Communications)
- IBM AS/400 Structure< Tailoring, and Basic Tuning
- IBM AS/400 Work Management
- IBM AS/400 Networking
- MICROSOFT Professional Office/95/2000/XP Suite
- MICROSOFT NT 4.0

## **PROFESSIONAL Organizations**

- Active Member / Educator of SHARE
- Prior Member of the World Alliance of VM and VSE(WAVV)
- Prior member of the St. Louis VSE Users Group

**PROFESSIONAL Certifications**

- **IBM System z for z/OS System Programmer Certification, Achieve 08/13/2007**
- Basic Assembler Certificate
- Programming and Operations