RESUME

STEVE THOMPSON

HARDWARE

AMDAHL: 470, 5890, 5990, 5995A/M
IBM S370/390, 43xx, 30xx, ES/9000, S/3x, P/390, 967x, M/P 3000, z/800

SUMMARY

Over twenty years of diversified Data Processing experience. Technical areas of expertise include I/O GENs, LPAR/Domain setup, CICS Application & System level work, DOS to MVS migration, SVC development and modification, MVS system interfaces, JES2/3 interfaces and writing authorized (privileged/supervisor state) modules. Also knowledgeable in VSAM, SQL, IMS, and various application systems.

SYSGEN and Technical Support: MVS (370/XA/ESA), OS/390 (V1.1-V2.10), z/OS (1.1-1.4), ServerPac, IPCS, Linux, 5x90/FLIST, 5990/IOCP/IOCDS, HCD, IBM H/W IOCP, JES2, JES3, DOS/VSE, POWER, DOS/CICS (1.5/6), OS/CICS (1.x-5.x,), CICS/TS, TCAM, BTAM/BTAM-ES, VTAM/NCP, SMF, SMP/E, VS/COBOL, COBOL-II, CA/Optimizer, CA-TPX, IMS-DL/1, RPG/RPG II, DUO/360, TSO/MAIL, VSAM, MVS-MS (CORTEX).

EXPERIENCE

VS Strategies LLC: Sr Consultant, September 1993 to present. Teaches various classes concerning MVS (MVS, OS/390, z/OS) environments (e.g., IPCS, ALC privileged instruction set). PC/Workstation setup, W/3.1-NT installation and tuning, authored technical articles, installation of IBM & third party products for mainframes, installation & tuning of mainframe systems (MVS, OS/390, z/OS, CICS/TS, JES2), installation and setup of IBM Mainframe systems (M/P3000, Z800), Linux installs (PC & S/390), writing fixes in COBOL, RPGII, SAS, and ALC for mainframe systems, automated operations installs (AutoOPERATOR, OPS/MVS, SA/390) and migrations for JES2 & JES3 environments (including EXITS and MVS-MODs), migrations from VSE to "MVS", product development using COBOL, JCL, ALC, SAS, REXX, CLIST, TSO, ISPF, and SMP/E. Uses "MVS" internals knowledge for projects/systems using cross memory access (DAS, PC/PR/PT, SRB). Manages projects/departments for clients. DR consulting (Business Continuity Planning), plan review and testing. Start up consulting for different organizations (including various liabilities such as payroll and sales taxes). Developed accounting system front-end for an NT based office, using Fujitsu COBOL (V4&5), GUI, and SQL. Expert Witness for intellectual property cases. Handles projects remotely where extended coverage is needed.

Computer Associates International, Inc: (CA), Developer, March 1997 to August 1998. Assignments: OPS/MVS-II development (all ALC), CA-JARS and CA-MICS IMS, CICS and VAX components. OPS/MVS development requires knowledge of MVS internals, cross memory access and MVS commands, functions and features. Required to maintain technical currency for CA-MICS for IMS (IMS 5.1-6.1) and CICS (CICS/TS 1.1-1.2). Also involved in general upgrades to CA-MICS to improve operational performance and reduction in system resource utilization. Worked on both ALC and SAS modules for MICS. MICS support required working remote from home and/or other locations. Updated JCL for installs so that one copy of a JOB would work for either JES2 or JES3 environments.

Affiliated Computer Services Inc (ACS): Developer, November 1993 to February 1997, Manager of Support and Development, August 1994 to March 1997 - Support WYLBUR as a designer, developer and change team member, direct phone support of customers worldwide, going on site for sales and support calls, adding and changing interfaces to match IBM's changes to MVS, DFP/DFSMS, JES2 & JES3, and updating documentation. Responsibilities also include diagnosing hardware or software failures on MVS development platforms used for WYLBUR development/support. WYLBUR development required in depth knowledge of PER, DAS, SRB, SSI, JES2 Exits, JES3 Exits, FRR, ESTAE, ESPIE, SVC32 type allocation, SMS I/O ramification, "direct" VTOC updating, EXCP for 3270 and DASD, and use of IRBs with VTAM. Also required understanding of BSAM, BPAM, SAF, RACF, ACF2, and Top Secret so that system integrity was preserved. Changed WYLBUR to be SMP/E installable with the V1R9M5 update/release and fixed distributed JCL/PROC to be workable under JES2 or JES3. Promoted to Manager of the WYLBUR Support and Development department where four technical people reported to me and worked with one marketing person. Added responsibilities included setting up for and running COLLECT meetings (the WYLBUR user group), editing and

writing the “Software News” newsletter for ACS, doing the systems programming work for the development system, hardware procurement and contract negotiations. Given the systems programming contract support project for assisting customers using the IBM PC Server 5xx S/390 machines (pre-installed & setup OS/390 or MVS SP5.2.2). Set up system for support or development to connect remotely to work on problems in office or at participating client sites.

Boole & Babbage: August 1991 through August 1993 - Provided level2 & level3 support for Boole & Babbage's AutoOPERATOR products. Wrote and tested APAR and PTF fixes. Provided phone support to customers (worldwide) to give solutions, circumventions, or explain diagnostic procedures (including changing MVS libraries). Wrote IPCS EXECs to make dump analysis more automated in the processing of StandAlone Dumps (SAD), and SLIP/SDUMP. Solved problems with the installer system (Autocustomization), and fixed JCL to be operable under JES2 or JES3. Designed and built the automated regression test system for AutoOPERATOR EXEC and Rules processing. Assisted in development and testing of Automated Operation Solutions products. Conducted integration and system level testing of MainVIEW for MVS, and wrote its initial automated regression test system. Maintenance of AutoOPERATOR products and components required internals knowledge of several releases of MVS, TSO/E, VTAM, NETVIEW, VSAM and JES2/3.

DPI Services: March 1990 through August 1991 - Assigned to IBM's Santa Teresa Labs to help develop and support Artificial Intelligence products: "IBM Prolog for 370", TIRS, ESE, and, KT. Wrote SVC module IGX00046 and the SMP/E installs for the PROLOG Base Product and Development Feature. Worked on subsystem development for TIRS (The Integrated Reasoning Shell) to support consultations from other address spaces via DAS routines (Cross Memory Services). Error recovery routines used included an RTM Exit, FESTAE, ESTAE, and FRR. Developed the SMF type 96 record (CPU and Vector charge back to requester's address space) and filed invention disclosures on cross memory charge back accounting. Supported an MVS/SP3 machine (under VM/XA) and an MVS/SP2 system for testing of SVC modules, PC/PT routines and other authorized, supervisor state, key 0 code. Provided support for the Artificial Intelligence products (ESE & KT) level 2/change team members, as well as assisted the Palo Alto Systems group in diagnosing a problem between their 3084 (MVS/XA) and a cached controllers.

Amdahl Corp: April 1988 to December 1989 - Macrocode Development and Multiple Domain Facility (MDF) development and support. Specifically responsible for 5990/5995A Macrocode diagnostic routines. Built firmware images, tested them on engineering models and simulators, applied patches and source fixes to Macrocode to make the 5990 models comply with the S/370 Principles of Operation (basic/XA/ESA). Also handled 5990 console/3174 controller problems. Some work required remote access to aid in development. All Macrocode development work required knowledge of all the instructions and features found in IBM's Principles of Operations as well as special optional instructions and "undocumented" instructions. Knowledge of storage keys and all interrupts (especially both types of machine check) was mandatory for writing the diagnostic routines used by Field Engineers (enabled when they turned on the "FE" key). Knowledge of all the special hypervisor instructions in the base hardware was also needed to allow: proper dispatching, PER, and other interrupts to be properly reflected to the different operating system images (domains/LPARs).

Computer Task Group (Cortex Division), August 1987 to March 1988 - Handled conversions DOS (R26) thru DOS/VSE to MVS for Banks and Manufacturers. Primary responsibility was ALC to ALC conversions. Converted DOS User Transients to APF modules and/or SVCs. Modified the conversion tool (CORTEX) to handle "open code" Physical I/O (CCB/EXCP to DCB/EXCP) and DOS user error handler routines (STXIT/EXIT). Provided operations support after the cut over to MVS. Set up data transfer and conversion jobs. Performed post conversion operator training. All projects assigned completed ahead of schedule.

Operation Services Inc: March 1986 to July 1987 - Systems programmer for a 3-man team doing estimates for a VSE to MVS conversion. Responsible for building source code scanners. Designed and built automated system for modeling a COBOL/ALC conversion and data (ISAM/VSAM, DAM, etc.) migrations. Provided systems programming support for new MVS (ACF/VTAM/NCP and IOCP GENs) install. Converted parts of a major equipment manufacturer's accounting systems from Honeywell to IBM's MVS (COBOL-COBOL). Provided data transfer/conversion solutions using an installed Hyperchannel. All projects completed on or ahead of time and under budget.

Self Employed Consultant: August 1981 to March 1986 - Projects included: Assisted a regional bank corporation in converting Wang VS/100 banking packages to Florida Software Systems running in an OS/MVS-XA JES3 environment. Project completed on time with system in place for bank to facilitate other conversions. Documented an OS/MVS-XA (SP2.1.1) and VTAM/NCP GEN for the CAD system used by a major semi-conductor manufacturer. Maintained the system software for the CAD system and the shop floor production system (CICS, VTAM, MVS/SP1.3.2). Provided tech support for a major auto import company and standardized their subroutine library, which allowed detection of problems with payroll. Provided CICS, CA-OPTIMIZER, and OS/VS COBOL support. Also tested for security problems with the RACF security system. Electronic Mail System (joint project) for a US automobile manufacturer and major software vendor, wrote interfaces to IMS/DB-DC and TSO/ISPF. Required MVS and VSAM internals and BTS usage. Circulation Information System project for a major newspaper company in their Michigan office where their original design and implementation (CICS-DL/1) had to be modified. Provided DOS/VSE Tech Support and Systems Programming. Project completed ahead of schedule. Worked on the merger of two major East Coast financial corporations' item

processing/data centers. Consolidated under CPCS using 3090-200's and 308X's running OS/MVS-XA. Converted a S/3 RPG II payroll system to VM/DOS/VSE/ICCF. All files were under VSAM control. Wrote ALC and COBOL programs required to solve compatibility problems. Performed all modifications to the RPGII source. Modified a major international restaurant chain's payroll system to include 401-K and tuned the system to get better results from DUO/360. Worked on the applications side of an IMS upgrade for an aerospace company for their payroll and personnel systems (DBD, PSB gens).

Worldwide Church of God/Ambassador College (Student employee): November 1980 to August 1981 -Wrote error recovery routines for an in-house developed database manager (PRISM). These routines, when required, dumped both user and DB manager address spaces, making problem determination easier. Wrote routines to get ACTS (Ambassador College TP Monitor System) to communicate with remote printers in Canada and Texas. Routines required EXCP code, with TCAM DCBs and JES2 interfaces. Result was better security and operator interfaces.

Computer Sciences Corp (Systems Sciences Division): June 1979 to September 1980 - Assigned to team at NASA to develop shuttle tracking and telemetry acquisition system in FORTRAN '77 using a UNIVAC/2200 system. Also assigned to group responsible for interfacing the UNIVAC to DEC systems. Assigned to another government agency to maintain SMF, EREP, and Reliability Plus products for the VM/CMS, OS/MVS JES2 and JES3 (SP1.1) systems (clearances required).

PUBLICATIONS/ARTICLES AUTHORED

What Does the z/Architecture Mean to Mainframe Users? Technical Support Magazine article June 2001
Do Your Company's Customers Know Your Y2K Status? Technical Support Magazine article March 1999
NaSTEC 4.0: White Paper and Presentation on: Considerations for Automating an MVS System
DOS to MVS Migration: Assembly Language Considerations Technical Support Magazine - Series of Articles in 1991
P/390 Review, two part article in Technical Support Magazine in 1996
DOS to MVS Conversions - Co-authored Paper for the CTG Symposium in 1988
Editor of "Software News" - Newsletter for ACS software product users - 1994 to 1997

EDUCATION

Computer Associates: Contract class on OPS/MVS, Stateman and Automation Point - 2003
ProTech: Intro to Object REXX - 2002, OPS/MVS Stateman Overview - 2002
Akron University: Linux I & II (continuing Ed class) - 2001
Amdahl: MVS Structure and Flow, 5990 IOCDS, MDF setup and tuning, XA/ESA Architectures - 1989
IBM: MVS Integrity - 1992, DFP Vendor's meeting - 1994, MVS Vendor Enablement - June 1995, April 1997, z/Architecture (64-bit extension to S/390) - February 2001, Software Top Gun & Linux Top Gun - August 2001

SPECIAL LICENSES / CERTIFICATIONS

Licensed Private Pilot w/ Instrument Rating