

## Systems Programming Job History

Date	Roles and Responsibilities
6 <sup>th</sup> August 1984	<p data-bbox="403 434 1520 510"><b>Raychem Ltd</b> <b>SYSTEMS PROGRAMMER (sixth month probationary period)</b></p> <p data-bbox="403 546 1520 584">Responsible for all aspects of Mainframe networking including:</p> <p data-bbox="403 620 1520 696">VTAM definition of major/minor nodes, assembling USS and LOGMODE tables, problem solving and tuning activities.</p> <p data-bbox="403 732 1520 949">NCP definition and tuning of 3705 Model II front end processors. Tasks included setting up emulation sub-channel addresses for bisynchronous RJE transmissions from non-SNA compatible small processors (McDonnell Douglas), and implementing SNA Alternate Routing in NCP Version 1.3 as part of Raychem's network strategy to increase the cross-domain intersite network availability.</p> <p data-bbox="403 985 1520 1202">NCCF definition to VTAM for use by Network Operators. Tasks included writing NCCF command lists for automatic network recovery of failing nodes and setting up an NCCF Help facility using command processors and formatted panels, implementing NPDA for network error monitoring (hardware) and NLDM for session monitoring and to gather Response Time Monitor statistics from 3274 SNA cluster control units.</p> <p data-bbox="403 1238 1520 1314">3274 customisation of system diskettes and implementation of special features such as RTM cards.</p> <p data-bbox="403 1314 1520 1391">Represent Raychem UK at the corporate inter site network planning meetings.</p>
1 <sup>st</sup> January 1986	<p data-bbox="403 1426 1520 1503"><b>SYSTEMS PROGRAMMER (probationary period complete &amp; salary increase)</b></p> <p data-bbox="403 1538 1520 1576">Retained all network responsibilities.</p> <p data-bbox="403 1612 1520 1688">Additional responsibilities included installing maintaining and tuning VSE (under VM) and CICS systems.</p> <p data-bbox="403 1724 1520 1762">Special tasks included:</p> <ol data-bbox="403 1762 1520 1937" style="list-style-type: none"><li data-bbox="403 1762 1520 1868">1. Re-assignment of as much virtual storage as could be spared from various partitions to IDMS as IDMS was out-growing VSE which needed to be kept going long enough for a VSE to MVS conversion to be completed.</li><li data-bbox="403 1868 1520 1937">2. Setting up NCCF to run as a VTAM sub-task to allow removal of the NCCF partition.</li></ol>

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	<p>Implemented Resource Definition Online (RDO) in CICS 1.7 and the use of the new terminal auto-install facility. All possible macro definitions were migrated to RDO.</p> <p>Designed a method of transferring source from VM to MVS as part of Raychem's VM/VSE to MVS conversion using CMS execs. Responsible for setting up VTAM, CICS, NCP and NCCF on the new MVS system.</p> <p>Responsible for installing and customizing Macro4 products Multi-log and CICSPRINT and for implementing the MVS version of CICSPRINT. Given responsibility for all SAS source coding at Raychem UK. This involved maintaining a charge-out mechanism written in SAS for IDMS CPU usage.</p>
<b>30<sup>th</sup> June 1986</b>	<b>SYSTEMS PROGRAMMER (salary increase)</b> <p>Installed CICS Manager using SMP and implemented it in all CICS address spaces for control, problem solving and gathering of statistics.</p> <p>Wrote SAS code to read CICS Manager performance records for tuning and future charge out of CPU usage.</p> <p>Migrated CICS sign-on table to external security package (Top Secret) to enable a single point of administration of users within the Operations Support group.</p> <p>Re-wrote all change control CMS execs as TSO clists using PDF services as part of the VM/VSE to MVS conversion.</p>
<b>29<sup>th</sup> June 1987</b>	<b>SYSTEMS PROGRAMMER (salary increase)</b> <p>Retained all previous responsibilities.</p> <p>Designed, wrote and implemented a set of CICS macro and command level assembler programs and BMS maps to provide a user friendly inter-face for CICS sign-ons and seamless transfer to ADS (IDMS) or CICS applications thus avoiding 'blank' screens.</p> <p>Planned and implemented a conversion from 3705 to 3725 front end processors and their associated NCP software.</p> <p>Installed TSO/E V2 in order to provide the facility to use REXX execs within the AutoOPERATOR automation software.</p>

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	<p>Installed and implemented STOPX-37 and PoolDASD to provide automatic control of space allocation requests and to prevent space abends in batch jobs.</p> <p>Implemented space management exit routines to provide optimum block size depending on DASD and data set type in order to better utilise available space and reduce the amount of I/O.</p>
<b>4<sup>th</sup> January 1988</b>	<b>SYSTEMS PROGRAMMER (salary increase)</b> <p>Retained all previous responsibilities.</p> <p>Planned, installed and implemented the conversion from MVS/370 to MVS/XA which also included migrating from CICS 1.7 to CICS V2.</p> <p>Installed VTAMPRINT as a replacement for CICS PRINT in order to prevent problems experienced with conversational CICS printer tasks and also to allow remote printing to continue when various CICS systems are not available.</p> <p>Installed MXG, and set-up daily, weekly and monthly performance database of SMF records to replace our own in-house written SAS code which would otherwise have needed to be re-written to support the new MVS/XA record formats.</p>
<b>27<sup>th</sup> June 1988</b>	<b>SYSTEMS PROGRAMMER (salary increase)</b> <p>Retained all previous responsibilities.</p> <p>Set up long term performance trend databases for forecasting purposes. Implemented Netview R2.</p> <p>Implemented JES exit 1 to provide automatic downloading of form overlays for Datagraphix and Memorex ION deposition printers, and later on for Xerox printers.</p> <p>Planned and implemented the use of co-axial adapters for HP laser printers to receive mainframe generated reports as well as PC reports. Implemented VTAMPRINT exits and escape tables to send form overlays to laser printers connected via the co-axial adapters.</p>
<b>26<sup>th</sup> June 1989</b>	<b>SYSTEMS PROGRAMMER (salary increase &amp; company car)</b> (provided as recognition of quality of work and commitment)

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	<p>Gained overall responsibility for all aspects of Systems Programming (for the next year I was the only Systems Programmer at Raychem UK).</p> <p>Migrated CONTROLM (Job Scheduling), CONTROLD (Report Distribution) and MVS AutoOPERATOR (Operations Automation) to the latest releases.</p> <p>Planned and implemented 3480 cartridge drives (including IDRC).</p> <p>Installed and implemented ABR (Automatic Backup Restore) to provide a secure, stable and reliable method of performing DASD recovery.</p>
<b>1<sup>st</sup> March 1990</b>	<b>SYSTEMS PROGRAMMER (salary increase)</b> <p>Planned, installed and implemented an MVS/XA CBIPO to coincide with ABR and the 3480 project in order to provide support for the 3480 device type in DFP.</p>
<b>1<sup>st</sup> September 1990</b>	<b>SENIOR SYSTEMS PROGRAMMER (PROMOTION &amp; salary increase)</b> <p>Promoted to Senior Systems Programmer in recognition of continuing quality of work and achievements.</p> <p>Gained Supervisor status with responsibility for managing the workload and priorities of a new Systems Programmer who was employed under my recommendation due to the ever increasing workload and complexity of Raychem's systems, and also to provide backup and call-out support.</p> <p>Planned and implemented Xerox printers using the CONTROLD report distribution software</p> <p>Introduced SAS code to MXG to read new SMF records created by CONTROLD to provide automatic charging of paper usage.</p> <p>Planned and implemented memory upgrades to the 3081 mainframe to resolve severe paging problems.</p> <p>Implemented an IBM MNS link to provide support for Raychem customers dialling in to access Raychem's online applications.</p> <p>Used Lotus 1-2-3 for CPU forecasting charts for Capacity Planning and presentation to management.</p>
<b>4<sup>th</sup> March 1991</b>	<b>SENIOR SYSTEMS PROGRAMMER (salary increase)</b>

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	<p>Retained all previous responsibilities.</p> <p>Planned and completed a performance tuning exercise to reduce the CPU usage of the main workloads, including CICS, TSO, IDMS and NetView, in order to defer as late as possible the need to migrate to a more powerful processor. This was due to the European Data Centre (EDC) project, where Raychem would have to survive as long as possible without an upgrade, to save money, prior to moving to a more powerful processor at the EDC.</p> <p>Planned and implemented an automated IPL and shutdown procedure using MVS AutoOPERATOR REXX execs.</p> <p>Designed, planned and implemented an automated disaster recovery procedure based around a single pack MVS system using ABR to recover all DASD.</p>
<b>1<sup>st</sup> January 1992</b>	<p><b>SENIOR SYSTEMS PROGRAMMER</b> (all salaries frozen for two years due to company difficulties)</p> <p>Retained all previous responsibilities.</p> <p>Planned and implemented a 3725 upgrade for memory and Token Ring interface. Implemented gateway access for LANS to the mainframe network and implemented 3174's as down stream nodes on the ring.</p> <p>Planned, installed and implemented AutoOPERATOR ELAN for remote access to MVS and 3081 consoles, automatic notification of important events via a BT message pager and automation of the IPL procedure immediately after the IPL request and upto where MVS AutoOPERATOR is initialized. This involved planning the specification of an IBM PS/2 M80, various laptop PC's for remote access, installing Windows, under which Elan and Dynacomm run, and modifying AutoOPERATOR rexx execs to provide control over page notification requests to on-call support staff.</p>
<b>1<sup>st</sup> June 1992</b>	<p>Joined the planning team for Raychem's single European Data Centre project (EDC) which now occupies all my time.</p> <p>Implemented another MVS/XA CBIPO to provide software compatibility with the EDC to reduce software costs (DSLO charging). The CBIPO took eight weeks to implement - from point of order to live production use (speed was essential).</p> <p>Planned and performed a disaster recovery test in London to test the automated recovery procedure as I plan on using this to move Raychem Swindon's systems to the EDC. This was the procedures first ever test and was a total success.</p> <p>Planned and implemented the upgrade of all OEM software to coincide with the MVX/XA CBIPO prior to moving to the EDC.</p>

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1 <sup>st</sup> January 1993	Plan for installation of 3745-170 to replace the 3725.
	Plan moving the Xerox printers to a Token Ring. Reports to be transmitted via RJE to BARR SNA software emulating an IBM 3780 RJE workstation.
	Plan first recovery test of UK systems onto the EDC.
20 <sup>th</sup> January 1993	Received notification of redundancy - due 4th June 1993.
	Performed first recovery test of UK systems onto the EDC.
	Installed and implemented 3745-170.
	Performed first full network transfer test of UK systems on the EDC
	Devised automatic method of re-cataloging ABR backups from 3480 device type to 3490E.
1 <sup>st</sup> March 1993	<b>SENIOR SYSTEMS PROGRAMMER (salary increase)</b>
	Retained all previous responsibilities.
	Prepare for second full network test of UK systems on the EDC.
	Prepare for actual cut over to the EDC (1st -3rd May).
1 <sup>st</sup> May 1993	Completed the move to the EDC
4 <sup>th</sup> June 1993	Employment terminated at Raychem Ltd
7 <sup>th</sup> June 1993	<b>Northern Star Insurance Company Ltd</b> <b>SENIOR SYSTEMS PROGRAMMER</b>
	Responsible for supervision of two systems programmers, and planning all systems programming activities.
20 <sup>th</sup> December 1993	Formed private limited company 'MTCS Ltd' in order to contract to Intel Corporation UK Ltd.
31 <sup>st</sup> December 1993	Employment terminated at Northern Star.
1 <sup>st</sup> January 1994	<b>Intel Corporation UK Ltd</b> <b>SYSTEMS Engineer (4 month contract)</b>
15 <sup>th</sup> February 1994	Installed and evaluated CATS (CICS Automated Table System). Recommended purchase which subsequently happened.
April 1994	Participated in MVS upgrade project from SP3 to SP4.3 (concluded in August 1994)
1st May 1994	Contract renewed on rolling month basis

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July 1994	Participated in System Image Redesign Project with brief to reduce the number of MVS images and split production and development CICS regions onto separate images (project ongoing....)
2 <sup>nd</sup> August 1994	<b>Offered and accepted permanent position SYSTEMS ENGINEER</b>
August 1994	Developed TCPIP FTP batch process that included automatic re-transmission with variable wait interval between retries using REXX. Purpose was to reduce the number of batch failures due to failed transmits. Reduced abends by 80%.
September 1994	Upgraded CATS from V2.1 to V2.2
December 1994	Upgraded CATS from V2.2 to V2.3 to support DB2 V3. Installed on production MVS system.
1 <sup>st</sup> January 1995	<b>SYSTEMS ENGINEER (salary increase)</b>  Retained all previous responsibilities.
24 <sup>th</sup> February 1995	Employment terminated at Intel
27 <sup>th</sup> February 1995	<b>NERC SYSTEMS Programmer</b> (3 year contract)
May 95	TSPrint upgrade from V4.1 to V4.2
July 95	SMP/E Upgrade
August 95	Report and recommendations on Dial-IBM access.
29 <sup>th</sup> September 1995	Contract terminated at NERC
16 <sup>th</sup> October 1995	<b>Intel Corporation UK Ltd SYSTEMS Engineer</b> (16 month contract)
December 1995	Developed CICS macro and command level code for inter-region communication passing data to Cobol subroutines
January 1996	Development enhanced batch File Transfer utility, including automatic delay and retries, return code handling and log file records
February 1996	Implement rexx utility for generating DMS dataset copies/moves between batch environments based on CICS FCT entries.
March 1996	Completed Mainframe Printing project - convert SNA remote printers to TCP/IP using VPS
May 1996	Modify in-house written code promotion utilities to include automatic JCL changes between batch environments

<b>Date</b>	<b>Roles and Responsibilities</b>
<b>August 1996</b>	Analyse mainframe batch capacity using SMF and MXG reporting to improve batch throughput for print requests
<b>September 1996</b>	Report on file transfer facilities and methods and recommendations for standardisation
<b>October 1996</b>	Install, evaluate and test AutoSys for Windows NT 3.51
<b>November 1996</b>	Customise Attachmate Extra! Personal Client 6.1 for use in Europe
<b>December 1996</b>	Compare AutoSys with existing automation tools
<b>January 1997</b>	AutoSys testing with Client Server applications. Testing load balancing capabilities.
<b>February 1997</b>	AutoSys network characterisation
<b>April 1997</b>	Upgraded CATS from V2.3 to V2.51
<b>May 1997</b>	Install CA/Masterpiece V3 (CICS/DB2 version) – includes CA90s upgrades and CICS Sockets implementation.
<b>June 1997</b>	Install CSD/Auditor. Audit all CICS regions. Report on CSD group duplications and redundant entries.
<b>July 1997</b>	Resolved SAP remote printing problems to TCP/IP based Barr/PC software.
<b>August 1997</b>	Install FileAID/IMS, replacing IMS/XPERT.
<b>September 1997</b>	Set up test environment for CA/Masterpiece Workbench (DB query tool) and Net (3270 access through web browser) products.
<b>October 1997</b>	Upgrade FileAID/IMS to V4.5
<b>November 1997</b>	Upgrade BMC IMS Tools
<b>December 1997</b>	Move CATS to another DB2 subsystem.
<b>January 1998</b>	Adapt CICS macro level code (for inter-region communication passing data to Cobol subroutines) to command level for use in CICS V3 regions
<b>January 1998</b>	Installed IBM IMS DB Tools V2R2 (SMP/E install)
<b>February 1998</b>	Implement CATS remote CICS region support
<b>February 1998</b>	Started project for removal of SNA infrastructure from Intel in Europe, replacing SNA Barr/PC RJE printers with TCP/IP Barr/PC systems. Completed project in August 1998
<b>March 1998</b>	Customise Attachmate Extra! Personal Client 6.3 for use in Europe

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<b>March 1998</b>	Upgrade CA/Masterpiece genlevel. Support Intel Finance team through migration from Masterpiece V1 to V3, though to end of May.
<b>May 1998</b>	<b>Emprise Technologies</b> <b>SYSTEMS Engineer</b> (6 month contract)  Working during evenings and at weekends on CATS product enhancements. Modify CATS 'GSET' support to include automatic GSET updates when GSETS are affected by a 'global move' of a resource definition from one owning CICS region to another.  Involved SQL coding and COBOL program amendments. NOTE: CATS is an ISPF application that uses DB2 to store and manage CICS resource definitions.  Testing CATS V2.6 on Transaction Server and Year2000 fixes.
<b>July 1998</b>	Install FileAID/IMS V4.6 and latest BMC IMS Tools
<b>July 1998</b>	Transition CICS V3 regions from COBOLII to LE/370
<b>August 1998</b>	Transfer MVS and CICS support to US based staff in preparation for my departure in October
<b>September</b>	Upgrade IMS utilities to support IMS V4.9. Install IBM IMS DB Tools V2R3 (SMP/E install). Install BMC IMS Tools.
<b>2<sup>nd</sup> November 1998</b>	<b>European Space Agency</b> <b>Systems Programmer</b> (3 month contract)  Project lead an MVS/ESA to OS/390 conversion.  Re-work and revise implementation plan.  Install OEM software (FDR, CA1, Oracle, AF/Operator).  Convert ACF2 to RACF.  Supervise a team of three Systems Programmers.
<b>8<sup>th</sup> February 1999</b>	<b>IBM Global Services, IBM UK Ltd</b> <b>Systems Programmer</b> (6 month contract)

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	<p>Work with MVS Base team at IBM Warwick maintaining multiple OS/390 R1.2 systems for Pearl Assurance.</p> <p>Maintain over 200 independent software supplier products on the Pearl systems.</p> <p>Upgrade CICS Abendaid/FX, Sysview, TPX, Quickref, View Direct, and FileAid DataAger to Year 2000 versions across multiple systems.</p> <p>Convert Infopac-RDS report distribution system to View Direct.</p>
<b>22<sup>nd</sup> February 1999</b>	<b>ASG (Allen Systems Group) Inc. Development and Support Specialist</b> <p>Develop enhancements to and support of the ASG-CATS (Change Automation for Transaction Series) product. This is a change management tool that supports all releases of CICS from V1.7 through to CICS TS v2.3. Project lead productivity enhancements to ASG-CATS V3.0.</p> <p>Train colleagues in CICS support skills, CATS implementation methods based on typical customer usage.</p>
<b>September 2001</b>	Project lead CATS V3.0 development. Product emphasis for this release was on improved implementation for new and existing customers.
<b>September 2002</b>	CPSM integration. Started high level examination of provided support for CICS TS regions under CPSM control, through ASG-CATS.
<b>November 2002</b>	Develop improved CAPS handling with the ASG-CATS product
<b>March 2003</b>	Develop Service Packs for ASG-CATS V2.9 & V3.0
<b>June 2003</b>	Develop improved ENQ/DEQ control with ASG-CATS product.
<b>July 2003</b>	CPSM project cancelled. ASG-CATS product put into 'maintenance' mode
<b>August 2003</b>	Develop ASG-CATS V3.1 to support CICS TS 2.3. As well as support for CICS TS2.3, improved ISPF presentation and batch facility for copying, moving and deleting CSD/Macro resources was developed
<b>October 2004</b>	Develop Service Packs for ASG-CATS V2.9 & V3.0
<b>November 2004</b>	Finalize development of ASG-CATS V3.1 to support CICS TS 2.3
<b>May 2005</b>	Finalize development of ASG-CATS V3.2 to support CICS TS 3.1

<b>Date</b>	<b>Roles and Responsibilities</b>
<b>May 2005 to date</b>	Project lead enhancements to ASG-CATS V4.0 through requirements, high level design, detailed design and coding stages. Enhancements include extensive batch processing facilities to aid in automation and adding history purge capability.
<b>September 2006 to February 2009</b>	Project lead, design and lead program ASG-CMTS V4.1 to support CP/SM V3.1