- **Passfield** horticultural solution - a set of software tools to provide X.25 networking support for personal computers. X.25 was a standard protocol suite for packet-switched network communication, widely used before the advent of TCP/IP.

1988

- **Toolsrun** - a software package for the VM/CMS operating system, primarily used in mainframe environments. It offers a suite of utilities designed to enhance system management and user interaction within the VM/CMS ecosystem.
- **LPEX** - an advanced text editor primarily used for programming and development tasks. It is known for its language-aware features, which help developers write and edit code more efficiently.
- **ORYX** – an internal project that led to the development of Object REXX, an object-oriented extension of the REXX programming language. The project aimed to integrate object-oriented programming (OOP) principles into REXX, enhancing its capabilities while maintaining compatibility with existing REXX code.
- **Finisterre** - PC software for Fastnet ISDN adapter card.
- **Stonehenge –** a PC-based SNA:OSI bridge

1989

- **CICS/ESA V3** – a version of CICS designed to run under MVS/ESA operating system.
- **CICS/OS/2**

1990s

1990

- **GPE** (**G**raphical **P**rogramming **E**nvironment) – a system that enables users to manipulate and program the behaviour of graphical objects via a tool-based interface and an Object-Oriented Programming Language (OOPL)

1991

- **AconnS** (**A**pplication **C**onnection **S**ervices) - a software component used to enable communication between IBM mainframe applications and distributed client applications.

1992

- **GDDM V3.1**

1993

- **Mayflower** – IBM MQSeries on distributed platforms.
- **GoServe** – a webserver for OS/2, Windows, and Linux.

1994

- **CICS/AIX** – CICS for AIX.
- **CallPath** – a computer telephony integration project.
- **DirectTalk** – a platform for building and managing interactive voice response systems.

1995

- **CICS client** for Windows & Mac

1996

- **Java Development toolkit** for OS/2, AIX & RS6000

1997

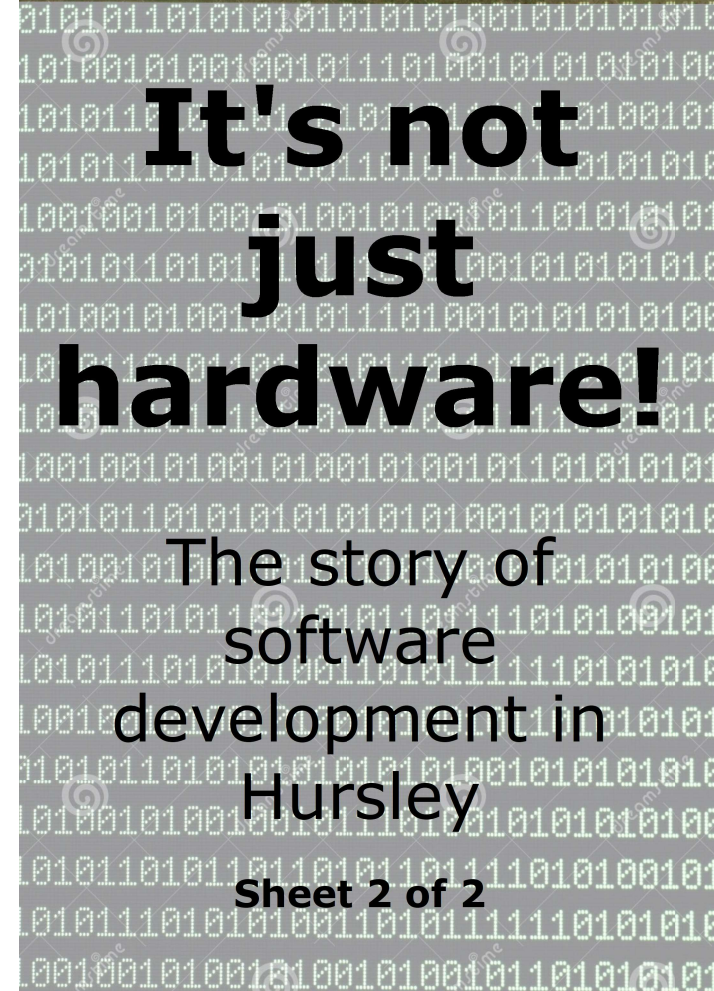- **NetRexx** - a dialect of Rexx for the Java platform

1999

- **RMI** (**R**emote **M**ethod **I**nvocation) over **IIOP** (**I**nternet **I**nter-**O**RB **P**rotocol). Joint development with Sun

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It's not just hardware!

The story of software development in Hursley

Sheet 2 of 2

The following list of software developed at **IBM Hursley** provides more details as far as is known.

Please contact the curators if you can add more details, or spot of any mistakes.

Hursley software developed by year

1964

- **PL/I** - A programming language designed to combine the features of both **scientific** and **business** programming languages into one unified language.
- **PL/I F** compiler
- **SUPPAK** – an IBM 7090-based Simulator of S/360. Support Package mainly used by IBM developers,

1965

- **CAS** (**C**ontrol **A**utomation **S**ystem) – a design automation software package used internally in development & testing of microcode for S/360.

1969

- **PL/I** Optimising Compiler

1970

- **PL/I** Checkout Compiler

1971 - 1974

- **VTAM** (**V**irtual **T**elecommunications **A**ccess **M**ethod) - First version Network Control Program NCP) for IBM 3705

1973

- **Cyrillic** language support for **IBM 3741/2** - developed at Customer request.
- **PFC** (**P**rogram **F**unction **C**ontrol) – to enable enhanced control of IBM 3741 models 1 and 2

1974

- **INPS** (**I**talian social security. update **s**oftware) **-** bit mapping of software to support increased disk storage
- **CICS** (**C**ustomer **I**nformation **C**ontrol **S**ystem) - a transaction processor, transaction monitor, and an application server.

1976

- **GAM** (**G**raphics **A**ccess **M**ethod) – a graphics interface layer for us on mainframe systems with 3270 display terminals.

1977

- **'Ironman'** – a programming language for a Customer embedded system.
- **PADAS** (**P**roduct **A**ssurance **D**esign **A**utomation **S**ystem) – internal software for Product Assurance

1978

- **DPS** (**D**istributed **P**resentation **S**ervices) - a component of IBM's **SNA (Systems Network Architecture)**, developed to support **graphical user interfaces (GUIs)** over mainframe networks

1979

- **GDDM** (**G**raphical **D**ata **D**isplay **M**anager) – software to generate and manage graphical output on mainframe systems. Originally provided programming support for the IBM 3279 colour display terminal and the 3287 colour printer.
- **SNATAM** (**S**ystems **N**etwork **A**rchitecture **T**erminal **A**ccess **M**ethod) - Originally an engineering development tool for testing SNA based products
- **GDDM/PGF (GDDM P**resentation **G**raphics **F**acility) - a set of programs for creating presentation material in a variety of styles, including the Interactive Chart Utility (**ICU**) for creating business charts, and Vector Symbol Editor (**VSE**), a means of creating and modifying symbols for use with GDDM.

1980

- **REXX** (**R**estructured **E**xtended **E**xecutor) – a high-level programming language that is relatively simple, with only 23 instructions.
- **IPG** (**I**nteractive **P**resentation **G**raphics) – a set of software tools for creating visual aids, such as charts and slides.

1984

- **GCP** (**G**raphics **C**ontrol **P**rogram) pc support - A software utility used to manage and control graphical output, using GDDM utilities, on a pc.
- **GOCA** (**G**raphics **O**bject **C**ontent **A**rchitecture) – a data architecture standard used by IBM systems to describe vector graphics—shapes like lines, curves, and polygons—for output on various devices.
- **CICS/CMS** (**C**ustomer **I**nformation **C**ontrol **S**ystem **C**onversational **M**onitor **S**ystem) – software to enable CICS to run under the CMS operating system in a Virtual Machine (VM) environment, to allow for development and testing of CICS applications.
- **GDDM/IVU** (**GDDM I**mage **V**iew **U**tility) – software that provides an interactive, menu-driven interface for creating and editing business graphics, enabling users to build bar charts, line graphs, pie charts, and so on.

1986

- **5777-EAD + DTP** – a leisure industry support program.

1987

- **OS/2 Presentation Manager** - a graphical user interface (GUI) developed by IBM for the OS/2 operating system. It played a significant role in the evolution of GUI design, and many of its features were subsequently used in the Windows operating system.
- **SAA** (**S**ystems **A**pplication **A**rchitecture) – a set of standards to provide a unified set of standards across IBM's diverse computing platforms.
- **ADA DOD**, MOD, defence related software - **Ada** (programming language) used in Department of Defence (**DoD**) systems, especially embedded or mission-critical software.
- **LEXX –** a live parsing text editor for use on mainframe computers, particularly on the VM/CMS operating system
- **IAX** (Image Processing system)– a family of hardware and software solutions for handling and managing document imaging, scanned data, and workflow automation, mainly used in business, government, and enterprise environments.