

Curriculum Vitae

Personal Details

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Profile

I currently operate as a freelance Web Designer and Analyst/Programmer, trading as Incognito Computer Services Ltd.

My core technical skills are:

- IBM i (aka iSeries, AS/400). Extensive experience with RPG (ILE/IV), DDS, SQL, ILE/C, ILE, CL, APIs & COBOL.
- Java – primarily stand-alone server-side applications (typically providing facilities to allow external web services to be consumed by “native” RPG applications etc, or alternatively exposing functions as web services for external B2B partners etc).
- Change control: TurnOver & Aldon CMS usage (IBM i).
- XML, XSLT, HTML(4 & 5), CSS(2 & 3). Includes processing of XML with Java (SAX API, XSLT for rendering HTML), with a heavy emphasis on “Web Standards”, and mobile web development.
- Unix (Linux, AIX). General administration skills (installation, general use, scripting, shells etc.) Management of VPS web server (Debian Linux). Admin/configuration of Nginx web server.
- Developing skills in JavaScript and various front-end web technologies.

Relevant business experience:

- Retail, with heavy emphasis on consumer retail finance, including credit application workflow & decision automation.
- Financial Services, including securitisation of consumer finance ledger.
- e-Commerce.
- Wholesale.
- Distribution.
- Security Industry.

Additional technical skills & projects of interest:

- JavaScript – basic knowledge acquired during process of developing web platform, and currently pursuing this further.
- Development (ongoing, using ILE/C) of toolkit for IBM i application modernisation. Focusing on improved message handling, with the objective of allowing increased modularisation of business

logic, and separation from presentation/UI layers (whether “green screen” or other).

- Synon/2. (Project using initial release of this product.)
- Database – various including IBM DB2 (on IBM i, and PC), FirebirdSQL and SAP DB (now MySQL MAX).
- Intel 8086 assembly programming (e.g. interrupt-driven serial communications device driver for MS-DOS, as part of data collection system).
- Turbo-Pascal (1980's; reverse engineering serial protocol used by data cassette reader to enable retrieval and processing of NCR POS data by national supermarket chain). Parsing of retrieved data and reformatting for upload to IBM host systems.

Qualifications

New Zealand University Entrance.

New Zealand Certificate of Science (Data Processing) Stage III.

Employment History

April 1997 – Current

Self-employed contractor, trading as Incognito Computer Services Ltd.

The following projects and tasks were undertaken. Note that some are concurrent:

2013 - Current

Following a move to Southland, retraining as web developer, and marketing of freelance web design services, in addition to contract programming services.

Various IBM i projects; including enhancement of VedaXML client (Java & RPG); analysis and enhancements to retail transaction processing system, etc. for Smiths City.

2004 – 2013

Independent contractor at Smiths City Southern Ltd:

- Enhancement of consumer finance (e.g. HP) software for CCCFA compliance.
- Developed Credit Application automation (e.g. work-flow features etc) system.
- Developed address validation/matching using NZ Post PAF. (ILE/C native application, implemented with use of “fuzzy” matching based upon the Levenshtein distance metric.)
- Developed system for B2B access of credit check details via VedaXML (Java).
- Automated system for PPSR registration of HP contracts and other credit accounts (Java).
- General maintenance and development projects. (RPG IV, SQL, ILE/C, Java, CL, etc).

January 2004

- Development of website production system. Based on Java, XML and XSLT, this allows content from various sources (primarily XML documents and databases) to be collated and cross-referenced.

- Extensive investigation into “Web Standards”.
- Creation of website (<http://www.incognito.co.nz>) to support and promote new website service. (*Note: due to contract at Smiths City becoming a long-term assignment, this was not pursued further at the time; the development work forms the core of the platform for the current freelance web design work.*)

October 2002 – December 2003

- Support and development of various features for the Noel Leeming online store – Java, RPG.
- Modifications to catalogue maintenance and related functions to support migration of online store to WebSphere Commerce Suite 5.4 – Java.
- Support of online credit application system.

August 2002 – October 2002

- Implementation of interface on host system for online credit application system processing (browser-based client application provided by external vendor). This involved integration with existing automated application processing/credit scoring system. RPG. (Pacific Retail Group.)

November 2001 – July 2002

- Design and implementation of catalogue update process for the Noel Leeming online store (<http://www.noelleeming.co.nz>) for Pacific Retail Group Ltd. The online store is based upon IBM's WebSphere Commerce Suite (a Java/J2EE-based application).

Tasks included:

- ✓ Service programs to provide access to applicable inventory, pricing and marketing data by client Java program. (RPG.)
- ✓ Database structure to represent the online store category hierarchy.
- ✓ Client Java program to perform daily extract of catalogue data as described above (including category hierarchy).
- ✓ Stand-alone Java program to apply previously extracted catalogue data to the WCS (WebSphere Commerce Suite) database.
- ✓ Data model and support logic for caching and navigating the category hierarchy within the WCS application.

January 2001 – July 2001

- Web-based product information retrieval system (intranet system). Java, J2EE: Servlet/JSP/EJB/JDBC. (Computer Systems Implementation Ltd, Mainland.)

July 2000

- Utility program to allow capture of print data stream (allowing archiving and automated processing to be performed) – C, Windows. (Computer Systems Implementation/Teltrac.)

May 1999 – December 2000

- Ongoing development and maintenance of Hire Purchase, related Securitisation Accounting and retail systems – RPG. (Pacific Retail Group.)
- Continued DBS system support, miscellaneous development – COBOL. (Gough, Gough &

Hamer.)

February 1999 – April 1999

- Y2K modifications – RPG. (Pacific Retail Group.)
- DBS system support, miscellaneous development – COBOL. (Gough, Gough & Hamer.)

December 1997 – December 1998

- Caterpillar “Dealer Business System” (DBS). Implementation of various interactive maintenance programs, and various conversion programs to transfer data from existing system – COBOL. (Gough, Gough & Hamer.)
- Continued support for “Securitisation Accounting” system, and general development; POS system interface, Hire Purchase reports, etc. – RPG. (Pacific Retail Group.)

April 1997 – December 1997

- Ongoing support of Hire Purchase “Securitisation Accounting” system, general Hire Purchase related support, POS system interface – RPG. (Pacific Retail Group.)

October 1994 – March 1997

Employed by Noel Leeming Television Ltd. (Christchurch, New Zealand), as an Analyst/Programmer.

Responsibilities included general development and maintenance of a variety of AS/400-based applications related to the retail environment.

Significant projects undertaken:

- Development of an automated credit application processing system. This was implemented in two stages; the primary stage consisted of work flow automation, the secondary stage added an automated credit scoring system.
- Hire Purchase Securitisation. Extensive analysis and development to support the accounting and reporting requirements for this project.

July 1991 – September 1994

Employed by Computer Systems Implementation Ltd. (Christchurch, New Zealand), as a consultant.

In addition to a variety of AS/400 related projects, I was responsible for the configuration and installation of various RS/6000 systems running AIX.

November 1989 – April 1991

Contracted via Eurolink Group Ltd. (UK), on assignment to Apple Computer (Pacific Division), Cupertino, California.

Developed reports for various user departments, implemented an automated stock receipt processing system, and provided support for various aspects of the heavily modified RMS/38-based system. (AS/400, RPG.)

August 1987 – September 1989

Contract Analyst/Programmer, Thorn Security, Twickenham, England.

Initially employed to liaise with an external software vendor, I then became responsible for the

implementation of the “Rental & Maintenance Invoicing” application when the project was taken in-house. (S/38, AS/400, RPG, Synon/2.)

January 1985 – July 1987

Self-employed contractor (trading as Prestige Computer Services Ltd. (Christchurch, New Zealand).

Clients included:

- Prestige Assurances & Commercial Enterprises (PACE). (PC, COBOL.)
- Foodstuffs (SI) Ltd. (S/34, RPG II.)
- Christchurch Press Co., Ltd. (S/38, RPG III.)
- J Rattray & Son Ltd. (S/34, RPG II.)
- Smiths City Market Ltd. (S/34, RPG II.)
- Noel Leeming Television Ltd. (S/34, RPG II.)

June 1984 – December 1984

Employed by George Berryman Ltd. (Christchurch, New Zealand), to provide customer support for their PC sales operation.

November 1983 – May 1984

Employed by Infodata Systems Ltd. (Christchurch, New Zealand), to implement a shipping container tracking system. (S/36, RPG II.)

February 1981 – October 1983

Employed by Computer Information Services Ltd. (Christchurch, New Zealand) as a trainee programmer (IBM S/34, RPG II predominantly).

Undertook a variety of projects for several clients. Highlights included developing a major component of the Christchurch City Council Rating System, an invoicing system for a grocery wholesaler.