curriculum vitae

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Profile

IT analyst/developer with wide experience including consumer finance, retail, wholesale and distribution, e-commerce, vehicle leasing, among others.

Analytical, with attention to detail, and passionate about producing quality documentation.

Takes pride in getting the job done, always ready to learn technologies and techniques to that end. Self-directed learner, keen to experience modern methodologies with a talented team.

Key skills

General

- Identification, analysis and documentation of business and user requirements.
- Extensive experience in consumer/retail finance and credit processes including automated decisioning, workflow automation and securitisation.
- Application and database design.
- SQL (IBM DB/2 and others).
- XML (extensive, including namespaces, schema, DTD, XSLT transformations).

Java and web related

- Java (core), including JDBC, generics, threads, collections, NIO (event-driven application), reflection (incl. dynamic proxy), weak references, Eclipse IDE.
- Web services – consuming and producing web services – REST using JSON, SOAP (JAX-WS), various custom/proprietary (using JAXB, JAXP etc.)
- HTML5, CSS3, JavaScript, responsive web design.

IBM i

In-depth knowledge and experience on the platform formerly known as iSeries, previously, AS/400.

- RPG (all flavours), CL, DDS, SQL (incl. embedded), Java, C, COBOL, ILE concepts, Service Programs, Synon/2.
- APIs (extensive, including MI instruction wrappers from C & RPG).
- Change management – use of TurnOver, Aldon CMS & Thenon.

Additional skills

- C programming language.
- Linux (Debian) configuration and administration. Including Bash scripting, DNS configuration, security, web server configuration (Apache, Nginx, Tomcat).

Work history *(recent)*

Note: as independent contractor, trading as Incognito Computer Services Ltd, since 1997.

LeasePlan NZ Ltd – fleet leasing & management (Auckland) **Contract 2015 – Current**

- Automated PPSR registration for secured assets.
- Part of team integrating core leasing system with a SalesForce-based application. (RPG, XML, SOAP, Enterprise Service Bus).
- Developed trial application to acquire and manage vehicle telematics sample data for reporting and analysis purposes.
- General enhancements to core leasing system.

Web design (Invercargill) **Freelance 2013 – 2014**

- Developed various small-business websites (using own static site generator – Java, XML, XSLT, HTML5, CSS3, Responsive Design, JavaScript).
- Marketing, primarily cold calling, for the website service.
- Miscellaneous tasks (remote) for Smiths City.

Smiths City (Christchurch) **Contract 2004 – 2013**

- Analysed and implemented modifications required for compliance with CCCFA act.
- Designed and implemented workflow automation system to process credit applications, improving efficiency and turnaround time.
- Developed automated system to submit and manage PPSR registrations for finance (hire purchase and personal loan) customers. (Java, XML, SQL, RPG.)
- Designed and implemented automated address matching and validation system against NZ Post Postal Address File; refer to highlighted projects section below.
- Developed real-time B2B application to process credit checks (via Veda). Integrated this into credit application workflow system (Java, JAXB, C, socket I/O for integration with native application).
- Implemented B2B system for warranty claims processing (Java, JAX-WS, SOAP – both publishing & consuming APIs).
- Various “business as usual” projects and enhancements (RPG, SQL etc.)

Earlier History **1981 – 2003**

A variety of positions, full-time and contract (including four years overseas – UK, USA).

Roles included client-facing application support, analyst/developer/consultant for software house/ISV, implementation of IT aspect of an early securitisation.

A selection of projects are highlighted in more detail below. Refer to LinkedIn profile for more details and chronological history.

Featured assignments

LeasePlan NZ Ltd – Pilot/proof of concept project for telematics reporting 2016

In consultation with the Business Intelligence team, designed and implemented a pilot project to retrieve telematics data, to be used to evaluate possibilities for value-added reporting for clients.

A small, focused project, sourcing data from two vendors. Using Java, REST APIs, Java API for JSON, database (schema design, SQL). Addressed privacy and security issues.

Smiths City Southern Ltd – NZ Post "PAF"-based address verification & matching 2007

The brief being to meet the NZ Post standards for bulk mail, with the added benefit of improving the quality of the legacy data.

Implemented using "fuzzy" dictionary lookup technique (observing that the matrix used by the Levenshtein algorithm can be maintained progressively while traversing a traditional tree structure, basically exploring nodes until the "maximum distance" is breached, it is possible to resolve a list of potential matches – and their "edit distance" – against a pre-built dictionary of phrases). Testing revealed that this provided satisfactory performance for use in both batch data cleansing, and real-time validation. Implemented in C and native (IBM i) database.

Personal project 2004

With the primary objective of learning XML and HTML, built a static website generator based upon content defined in custom XML documents (schema defined by DTD, importing "flow" components of XHTML 1).

Configured via another "site definition" XML document, the various source documents are enumerated and parsed, from which a navigation map of the entire site is constructed. A second pass renders the HTML via an XSLT transform (the document metadata and content is exposed, to be presented as required. Custom Java "page" implementations may also generate extensive content hierarchies, e.g. a catalogue, etc.

This has been used recently in the production of various small-business static websites, e.g. alltyres.co.nz, aboutjoinery.co.nz.

Noel Leeming Ltd – www.noelleeming.co.nz 2001 – 2002

Team member on the development of the original Noel Leeming online store. Responsible for packaging, delivering and applying catalogue data to the store database, design and implementation of dynamic navigation structure, assisted with front-end JSPs, and more.

Platform was WebSphere Commerce Suite; technologies included Java, J2EE 1.2 – EJB & JSP, batched Java/JDBC process for database updates.

Noel Leeming Ltd – Hire Purchase ledger securitisation **1996**

Successfully implemented IT requirements to support one of the early securitisations in New Zealand, the objective being to reduce the cost of funding the ~ $90M ledger, thereby significantly lifting company profit. Tasks included:

- assisting company accountant in the extensive analysis into impacts of various transactions on the securitisation vehicle, and required accounting treatment thereof.
- implementation of majority of system modifications, including “fair value” calculations for funding and management reporting, support for regulatory and audit requirements, etc.

Dealt with numerous challenges, including tight deadlines, underwriter in New York deciding three weeks out from go-live date that there should be three staggered cycles of 90 day bonds (just a “minor” change), etc.

Apple Computer, Pacific Division, Cupertino CA **(18 months) 1990 – 1991**

- Delivered various projects, primarily relating to distribution and inventory control (AS/400, RPG).
- Successfully resolved elusive bug in inventory system which was erratically reversing the sign of various inventory transactions.

J Rattray & Son Ltd – Resolve POS transaction processing backlog **1986**

A relatively small, but interesting project, with quickly visible results. As the number of Countdown supermarkets increased, the vendor-provided back-office solution wasn't keeping up with the daily batch of cassette tapes containing the POS transaction logs.

Given an unbranded cassette drive, a borrowed data analyser, and the brief to reverse-engineer the protocol, a solution was implemented using a previously written interrupt-driven serial-port driver (MS-DOS, result of a private side project), and a Turbo-Pascal application to read the tape and convert the hierarchically structured variable-length fields of the POS transaction log into a fixed-length format suitable for transfer to the IBM S/34.