Worik Stanton

MCS MCom PGDipCom BSc

Skilled and Qualified Computer Programmer and Software Developer

021 168 0650   **root@worik.org**   **github.com/worikgh**

Objective

Seeking roles where advanced qualifications and extensive experience in software development across multiple operating systems can be utilised.

Professional Summary

- Skilled and experienced Software Development Engineer, with high level design and software development lifecycle (SDLC) skills across:
    - Software design, development and testing;
    - Defect management and release/deployment;
    - Sizing and scoping;
    - Systems analysis;
    - Coding, scripting and databases.
- Strong understanding of agile database design and development, with proven experience analysing and translating user requirements into robust software and systems.
- Skilled in change and release management processes, as well as writing technical and functional documentation.
- Advanced technical acumen across a wide range of web frameworks, and development environments.
- Excellent communication skills, with the proven ability to develop trusted relationships with key stakeholders, analysts, software engineers and cross-functional teams.
- Qualifications include a Master of Commerce (MCom) in Finance (Otago) and Master of Computer Science (MCS) (Auckland).
- Innovative approach, with the drive to deliver high quality solutions that make a positive difference.
- Supportive and astute team player who works collaboratively with others.

Career History

Oct 2023 – Jan 2025   **TIROTECH**
tirotech.co.nz

COMPUTER PROGRAMMER

RESPONSIBILITIES:

- Maintain and extend embedded software in C running on Arm and X86 devices.
- Create a containerised service in Rust and LaTeX to build reports from data.
- Maintain and extend a server with Typescript on Linux with three aspects:
    - Server that manages a PostgreSQL database
    - Rudimentary Web App for a user interface
    - Real time device server

- Various system and database administration duties.

Aug 2020 – Oct 2024   **_PAUL CARDNO (QUICK CUSTOM INTELLIGENCE - CALIFORNIA CLIENT)_**

IOS PROGRAMMER

RESPONSIBILITIES:

- Create an API client code tool to utilise the companies APIs to make the App function.
- Manage data transformation (i.e. the process of converting data from one format to another).
- Develop automated tests to determine product functionality and identify faults.
- Perform abstract design work to reduce complexity and increase the efficiency and user friendliness of the product.
- Carry out general programming tasks such as date and string manipulation.

KEY PROJECTS AND ACHIEVEMENTS:

- Swift and Dart programming on an iPad App for floor management of casinos
  - The majority of the work has involved developing backend data, and processing, developing, maintaining and running tests.

_2017 – 2018_   **_SPIRIT LEVEL_**

PHP PROGRAMMER

KEY PROJECTS AND ACHIEVEMENTS:

- PHP programming projects using Silver Light
  - Successfully helped this small web design company with coding tasks that were too complex for their limited resources.

_2009 – 2013_   **_UNIVERSITY OF OTAGO_**

MASTER OF COMMERCE (MCOM) IN FINANCE

_2008 – 2010_   **_UNIVERSITY OF OTAGO_**

STATISTICS TUTORING (part-time work during university studies)

ACHIEVEMENTS:

- Assisted stage 1 and 2 business students achieve positive outcomes by teaching basic statistical concepts and helping with the statistical software.

Jan 2002 – Mar 2003   **_BLUE STAR GROUP_**

DEVELOPER – Web Based Image Database and e-Commerce

KEY PROJECTS AND ACHIEVEMENTS:

- Maintained a web interface to an image data base system, written in C running as a CGI script on Apache/Linux/MySQL.
- Utilised Apache, Linux and MySQL to develop a B2B Perl/CGI application to process sales data from business units, generate invoices and summaries, and email data directly to manager.

Sep 2001   **_JUNGLE DRUM NZ_**

SOFTWARE RESEARCH PROJECT

ACHIEVEMENTS:

- Reported on the potential for extending software capabilities and implementing it on a test platform.

Jun 2001 – Aug 2001   **_COMPUTER SCIENCES CORPORATION (INTEL)_**

COMPUTER PROGRAMMER (short-term contract)

KEY PROJECTS AND ACHIEVEMENTS:

- Utilised C++ on Linux to extend the tracing tools for a real time CTI library.
- Analysed a vast C++ programme and determined how to transform information from the internal state out to a logging process. Once complete, ported changes to the library and logging processes to Windows NT.

Feb – Jul 2001   **_SITEL TELEBUSINESS NZ_**

COMPUTER PROGRAMMER (part-time contract)

KEY PROJECTS AND ACHIEVEMENTS:

- Fixed a script that occasionally dumped core.
- Modified the script to meet the changing requirements of the company's client.

PRIOR

- COMPUTER PROGRAMMER – Tidydesk (2000-2001)
- PRINTER CONTROL SOFTWARE DEVELOPER – Monitor Business Machines NZ Ltd (1998-2000)

- LAB DEMONSTRATOR AND MARKER (1990-1996) / C++ TUTOR (1996) – Department of Computer Science, University of Auckland
- DEVELOPING AND EXTENDING – Department of Pharmacology, University of Auckland (1994-1997)
- DATABASE DESIGN AND MAINTENANCE– Auckland Area Health Board (1990-1992)

Qualifications and Professional Development

- **Master of Commerce (MCom) in Finance** – University of Otago (2013)
  Thesis: Is Data Snooping responsible for Technical Analysis Rules Success? (To view click here.)
- **Post Graduate Diploma in Commerce (PGDipCom)** – University of Otago (2010)
- **Bachelor of Commerce (BCom)** – University of Otago (2009)
- **Master of Computer Science (MCS)** – University of Auckland (1995)
  Thesis: Simulation of Clinical Drug Trials to evaluate trial designs.
- **Bachelor of Science (BSc)** – University of Otago (1992)

Technology / Software Knowledge

- Apache
- C, C++
- CSS3
- Dart
- HTML

- JavaScript
- Linux
- Perl
- PHP
- Rust

- Silver Light
- SQL, MySQL
- Swift
- UNIX
- Windows

Key Projects

- Utilised programming and software development skills to develop the following:
  - o Surgical waiting list;
  - o Printer control;
  - o Festival website;
  - o Financial modelling suite;
  - o Image selection tool

Volunteer Experience

- Orokonui Ecosanctuary – pest control and administration
- Green Party Aotearoa – policy analysis and development
- Waitati School Board of Trustees – governance
- Blueskin Resilient Communities Trust – governance

Referees

- Provided on request.