Mario Becroft

Consulting Specialist: Software, IT, BA, SysAdmin, Product Development

Phone:	+64-9-974-9243	*Highly adaptable, specialist in multiple areas - I understand business needs, speak the client's language, and develop solutions.*
Address:	PO Box 301291 Albany Auckland 0752 New Zealand	*I "bridge the gap" between business and technology roles to create business value using software. By integrating disparate legacy and new SaaS systems I reduce double entry and business risk by automating previously manual processes.*
Website:	http://becroft.co.nz/	*Specialist in Open Source Software, Linux, embedded systems and networks. Extensive experience in multiple areas means there is no project I cannot do. I enjoy troubleshooting challenging problems that cut through the technology stack.*
Email:	mb@becroft.co.nz	

CORE COMPETENCIES

BACK-END	FRONT-END	SYSTEMS & NETWORKS	ELECTRONICS	LANGUAGES
• SQL Databases	• Single-page web apps	• System Architecture	• Electronics design	• C, C++
• PostgreSQL	• Phone apps	• Linux, BSD, Unix	• PCB design	• Javascript/ES6
• SQLite	• React Native	• HA (high availability)	• EMC compliance	• Python, PHP
• Data Analytics	• Enterprise-scale apps	• Virtualisation	• Embedded Linux	• Tcl/Tk, Lisp
• Legacy ETL solutions	• Data visualisation	• TCP/IP protocols	• Microcontrollers	• Java
• Cloud/SaaS solutions	• Quality design & code	• Thin client (VDI)	• IoT	• HTML5/CSS
• API integration	• SDLC methodologies	• Trouble-shooting	• Product Development	• VHDL

EXPERIENCE

True Group, Auckland
January 2010 - Present

Founder, Senior Partner & IT Consultant

- **Create, grow and manage a highly-focused team of consultants** in Open Source Software and IT.
- Specialist consulting, including:
  - Bespoke business software
  - PostgreSQL
  - Embedded ARM Linux
  - Systems and networks

QuickCircuit Ltd, Auckland
June 2014 - November 2018

Senior ERP and PostgreSQL Consultant (under contract)

- **Reduce risk and improve efficiency** by implementing major new ERP system features.
- Advise on PostgreSQL-based ERP system maintenance.
- Bring legacy software up-to-date. Improve database to support key business needs, while retaining legacy system compatibility.
- Maintain uptime for 24/7 operation at four factories and offices in NZ and China.

Albany Senior High School, Auckland
January 2011 - Present

Consulting IT specialist (under contract)

- **Transform IT dept. from reactive to proactive**, making it an engine for new learning concepts.
- Implement highly available (HA), no-single-point-of-failure system architecture solutions for storage, virtualisation stack, and all core services.
- Add value through customised Open Source solutions.
- Maintenance programming: no matter the task, find and implement a solution.

PowerShield Solutions Limited, Auckland
June 2015 - December 2017 (2 years 7 months)

Senior ERP and MES consultant (under contract)

- **Roll out new, 100% bespoke, greenfield IT infrastructure and Manufacturing systems within 4 weeks,** kickstarting new high-tech manufacturing plant.
- Continually enhance MES and ERP systems through rapid business growth.

Electric Kiwi Ltd
August 2017 - October 2017 (3 months)

PostgreSQL Expert Consultant (under contract)

- **Revolutionise the way PostgreSQL databases are managed, supporting projected 10x business growth.**
- Advise and up-skill internal staff into DBA role including architecture, management, performance and maintainability.

Ditron Tool and Die
July 2014 - June 2015 (1 year)

Systems architect (under contract)

- **Rapidly take stock of wide-ranging project** (embedded hardware, software, IoT comms, back-office, apps).
- **Advise senior management on how to move the project forward**.
- Move prototype database and apps to production-ready PostgreSQL/REST application server solution.
- Move IoT devices from outdated platform to new, scalable embedded Linux platform.

University of Auckland
March 2015 - May 2015 (3 months)

Senior Systems Analyst and Product Development Specialist (under contract)

- **Project managed IT for key overseas trial ensuring data delivered from remote locations to key stakeholders, no matter what, within an 8 week time-frame.**
- Provide key logistics support throughout trial.
- Give key industrial design advice for clinical equipment user experience, and system architecture.

Computer Concepts Ltd
September 2013 - June 2014 (10 months)

Senior UNIX Engineer (under contract)

- **Urgently take over wide portfolio of UNIX and Linux clients, immediately replacing vacant role and ensuring full continuity of L3 support.**
- Deal with wide range of platforms and systems (whatever the client needs).
- Architecture, support, auditing, troubleshooting.
- Glowing feedback from clients.

QuickCircuit Ltd
January 2003 - January 2010 (7 years 1 month)

IT and R&D Manager

- **Build advanced, bespoke ERP/MES system from scratch to support rapid growth.**
- Manage a direct team of 5, supporting 100 users at local and international offices.
- Deliver exceptionally high availability for 24-hour operations.
- Design a wide range of embedded electronics products for customers and manage entire Product Development lifecycle.

Cubic Defence New Zealand Ltd
January 2000 - January 2003 (3 years 1 month)

Embedded Engineer

- **With limited documentation and handover, take over sole charge maintenance and improvement of advanced cellular data network elements.**
- Responsible for advanced new voice over radio system delivery.
- Design hardware and software for MIL-SPEC and MISRA compliance.
- Design and maintain other systems in C, C++, QNX and Linux.

Self-employed
January 1996 - 2000 (5 years)

Embedded Engineer

- **Design and bring to market a range of computer peripheral products** in the business computing and electronic music markets. Bring to market and sell worldwide.
- Embedded hardware and software consulting and product development for international clients.
- A Motorola engineering partner.

EDUCATION

New Zealand Correspondence School
1993 - 1995

INTERESTS

- Functional programming languages (FP) such as Lisp, Haskell and Scala
- Mathematics, languages and history
- Music (accomplished accordionist and vocalist) and Theatre
- Photography (landscape and portrait)
- Graphic design
- Badminton
- Charitable volunteer work