Mario Becroft

Specialist Consultant: Database, DevOps, IT, Product Development

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A highly skilled, experienced and adaptable IT specialist with an unusually deep and broad range of skills.

Strong communication, coupled with the ability to easily understand business/user speak, facilitates a 'bridging of the gap' between the business and technical worlds.

Excellent references from any number of past or present clients provides clear proof of consistently delivering outstanding results over 15+ years.

CORE COMPETENCIES

- World-class PostgreSQL expert
- SQLite, MySQL
- REST & ETL
- Linux (Red Hat, Debian, Ubuntu)
- DevOps (git, CI/CD)
- Core internet protocols
- Experienced Software Engineer
- Phone app to enterprise scale
- Back-end, front-end, UI/UX

EXPERIENCE

True Group, Auckland
January 2010 - Present

Founder, Senior Partner & IT Consultant

- **Create, grow and manage a highly-focused team of consultants** specializing in:
  - **Open Source** Software
  - **Agile** development with in-house developed **CI/CD**
  - **PostgreSQL** database
  - **Embedded** ARM Linux
  - Bespoke **business software**

Tekmon PC, Greece
February 2019 - present

Senior PostgreSQL Consultant

- Design a highly-specialized database schema, **leveraging PostgreSQL's most advanced features.**
- **Transform client's understanding** of what a high-end database system is capable of.
- Consult on **system and database design** questions.

AppliedSmartness GmbH, Germany
August - November 2018

DevOps Consultant

- **Transform client's development practices & technology stack** to bring their product from prototype to **cloud-scalable.**
- Provide **DevOps** support for **Apache, Nginx, MySQL and node.js**

Swinburne University, Australia
March - October 2017

Technical / Project Manager

- Contribute key industry knowledge to the **SKA (Square Kilometre Array)** international astrophysics project.
- Assist client in developing **Matlab models** for Pulsar Timing, developing a proof-of-concept improved **large-scale FFT on CUDA**.
- **Calibrate client's COCOMO-II estimates** against clean-room implementation.
- Transform **software from the academic world** into an **industry best-practice** production-ready system.

PowerShield Solutions Limited, Auckland
June 2015 - December 2017

Senior ERP and MES consultant

- **Roll out 100% bespoke, greenfield IT infrastructure and Manufacturing systems within 4 weeks,** kickstarting new high-tech manufacturing plant.
- **Using an Agile approach**, continuously enhance **MES** and **ERP** systems supporting **rapid business growth**.

QuickCircuit Ltd, Auckland
June 2014 - November 2017

Senior ERP and PostgreSQL Consultant

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

Albany Senior High School, Auckland

January 2011 - December 2018

Consulting IT specialist

- **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 core services.
- Add value through **customised Open Source solutions**.
- Maintenance programming: **no matter the task, find a solution.**

Electric Kiwi Ltd, Auckland

August - October 2017

PostgreSQL Expert Consultant

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

Ditron Tool and Die, Auckland

July 2014 - June 2015

Systems architect

- **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 - May 2015

Senior Systems Analyst and Product Development Specialist

- **Project manage IT for key overseas trial ensuring data delivered from remote locations to key stakeholders.**
- Provide key logistics support throughout trial.
- Advise on **clinical equipment industrial design**, UX and system architecture.

Computer Concepts Ltd, Auckland & Christchurch

September 2013 - June 2014

Senior UNIX Engineer

- **Urgently take over wide portfolio of UNIX and Linux clients, immediately replacing vacant role and ensuring full continuity of L3 support.**
- Deal with systems from legacy to current.
- Architecture, support, auditing, troubleshooting.
- Glowing client feedback.

QuickCircuit Ltd, Auckland

January 2003 - January 2010

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.

REFERENCES

Excellent references available on request. Listed below are some recent (verbatim) testimonials from a few contracting clients.

Electric Kiwi, New Zealand (https://www.electrickiwi.co.nz/)

"Upon looking for help to optimise database performance, True Group stood out as very knowledgeable, professional, and quick to understand our needs. True Group used a systematic approach to ensure tangible outcomes, a testament to their experience. By engaging True Group our database understanding and database strategy was 'truly' honed."

Tekmon PC, Greece (https://tekmon.com/)

"Mario is an expert in Database modelling and a very nice guy to work with. Highly recommended, he delivered the project on time and was very insightful and helpful with all our requests."

AppliedSmartness GmbH, Germany (http://www.appliedsmartness.de/)

"Working with Mario was exceptional - he is a very skilled Devops guy and a nice person to work with. All tasks have been executed in time and quality, would rehire at any time."