HOWARD BRIAN SELFE

Summary of qualifications

University of the Witwatersrand

Johannesburg

- Bachelor of Science (Applied Maths) (Honours)
- Bachelor of Science (Computer Science / Applied Maths)
- Awards
    - Certificates of First Class
        - Physics 1, Computer Science 1, Applied Mathematics 2
    - Certificate of Merit
        - Applied Mathematics 1, General Earth Science 1
    - Scholarships
        - WITS University Senior Bursary
    - Other Awards
        - Chamber of Mines Award for outstanding achievement

TOP-RATED UPWORK CONSULTANT : 2012 – 2018
(https://www.upwork.com/freelancers/~01532174a0ddfe06a1)

I have Top Rated status on Upwork and I rated in the top 10% for Excel, and scored second place overall in the Upwork readiness tests. I have excellent people skills, a proven track record in effective project management, the ability to work in an unstructured environment and be self-motivated, good relationship building skills and excellent writing skills. Furthermore, I have more than 20 years of experience in real world analysis and application development. Some recent projects include:

- **JAN-SEP 2017 Web Development jquery, excel-vba, json, php, mysql-programming**
  Modular enhancements to a credit check system for one of the biggest credit verification services in Australia. This project required extensive knowledge of macros, finance, mathematics, VBA, Excel, Access, PHP, JSON, MySQL, Ajax, database schemas, reporting, the principles of project management and so on.
- **JAN-AUG 2017 Desktop Software Development microsoft-access, financial-modeling, business-analysis, excel-vba**
   This was a project to produce software which calculates a portfolio of funds with different financial products (funds, stocks, bonds, FX, options). We used Access to store the product parameters and the trades, and all the calculation are made in VBA under Excel and then displayed in Excel. Live interaction with Reuters provides pricing for the model.
- **JAN – JUN 2017 Web Development jquery, php, excel-vba, microsoft-excel**
  My client had the requirement to produce a desktop and web calculator for advanced reverse mortgage financial analysis. I built calculators both in Excel (with VBA) and online via PHP, JQuery.

- **MAY 2016 Web Development|**
  Analysis and creation of a functional requirement specification for a potential online financial and business planning concept.
- **Other:**
  - Extensive experience with VB and VBA (including COM, ASP, ADO, CDO and the MS Access and MS Excel object models), ASP, XML, Java, SQL, SQL Server as well as database design and implementation (often incorporating multi-application development such as Access in tandem with Excel).
  - Python, Knime, Trello, Basecamp, GIT
  - Web: I am fluent in HTML, PHP, DHTML, VBScript, JavaScript, SQL, Version control (eg, Subversion), various software development architectures (eg, OO, MVC).

INSITE SOLUTIONS : 2002 - 2012

In October 2002 Insite Solutions was established to formalise the partnership between M Wolfaardt and myself and to provide a node in a network of colleagues nationwide providing a broad IT service, from business analysis and solution design to web marketing. Projects have included:

- Access development for a comprehensive asbestos sample analysis database for Clearsafe Environmental Solutions, Australia.
- Project Management for a Silverstripe development project for safety instruction and checklisting on behalf of Sprout Labs, Tasmania.
- Silverstripe development for the My Money Calculator online web initiative, Australia.
- In-depth independent analysis, commissioned by Gavin Hartford, of the technological component of a Johannesburg-based business venture involving the integration of information pertaining to employees, payroll and various service providers.
- Statistical analysis for Phumelela Gaming Ltd of a "pick-six"-like game based on the NSL.
- A large list of websites including Flash-based, graphics-intensive, CMS development., ecommerce sites
- Coronation FORMs, A highly technical and fairly comprehensive financial instrument risk management system written in VBA (employing Access and Excel) along with a financial analysis library called Financial CAD, in a seamless business solution used for years in assisting to manage the portfolios of Coronation Capital. Capable of complex risk analysis of 9 major financial instruments such as Caps/Floors, Swaps, Fixed Loans and Swaptions.
- TOTAL Fuel Centre Management System (TFC), an Access database providing a legally required alternative to TOTAL-supplied forecourt management software. TFC allows a forecourt manager to track daily sales and receipts of fuel and diesel and to do complex Access reporting for their records.
- MNET Scheduler, Software to allow the satellite TV company MNET to define and manage their programme schedules and hence their advertiser space and fees. In addition, the system uses Access information to automatically generate a colour coded programme schedule in MS Excel.
- JCCI member database, a database package written entirely in Visual Basic allowing the Johannesburg Chamber of Commerce to distribute information concerning their member companies (in excess of 1000 members). The software is capable of importing

data from older dbases and 'cleaning' it before arraying it into an Access database with full user interface as well as search and sort functionality.

Prior to forming Insite Solutions, I was a programming consultant for the R&D department, Liberty Life, Gauteng.

Languages

English and Afrikaans

References

- Charles Monot, Monocle Fund Luxembourg, charles@monocle.lu
- Martin Wolfaardt, People Tree Group, martin@insitesolutions.co.za
- Robin Petterd, Sprout Labs, Tasmania, robin@sproutlabs.com.au
- David de Ferranti, My Money Calculator, Australia. david@mymoneycalculator.com.au
- Ryan Heckenberg, Clearsafe Environmental Solutions, Australia. ryan.heckenberg@clearsafe.com.au

Client Feedback

- *Fantastic, looking forward to working with Howard more in the future. Highly recommend him and his ability to think through the application and resolve potential problems up front. He acts more as a business partner in how he deals with you than any other service provider I've had.*
- *Howard is great to work with. He understood the project well, had terrific communication and response time, and delivered a high-quality end product. I will definitely use Howard in the future.*
- *I had various Data Queries to produce, but many of the queries were undefined. Howard not only help write the queries, but he helped analyze and breakdown the query qualifications. In many cases, long before I shared the next steps.*