

Mark McDonald

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Summary: A Freelance IT consultant with over 25 years experience, able to work on own initiative or as part of a team. Has well-honed analysis, design and project management skills as well as the ability to quickly pick up and become productive with new technologies. Having completed a Masters Degree in Web Technologies and Security technically challenging roles are required which will allow continual career progression.

Employment History:

Freelance IT Consultant: June 1997 – present

Currently working on two main customer projects. The first one is the rationalisation and integration of a customer's disparate ERP and Sage systems using Delphi XE10, SQL Server and SQL Reporting Services. The second is a data warehousing project using IBM Notes 10, SAP web services and SQL server

Other projects for customers include –

- Real time Andon monitoring system using Node.js, Python and a Raspberry Pi
- Conversion of a QT C++ embedded chip communication program to Delphi XE10.
- Conversion of Visual Basic ActiveX components to Delphi DLL components.
- Online transcription service designed in Drupal 7 along with RESTful web services and PayPal integration.
- Intranet based shop floor recording database designed using the Yii PHP framework, SQL Server, SQL Reporting Services and SQL Server Integration Services.
- Research, design and implementation of a Java/Glassfish based 3-tier web application used to record and report OEE measurements
- Development of a web enabled change notification system in IBM Notes and XPages.
- Maintenance and amendments to a C# application that used a SQLite database.
- Development of a web enabled E-Business requirements system developed in IBM Notes and JavaScript.
- Part of a project team on an iSeries to SAP ERP migration
- Installation of a Radio Frequency bar-coding system. This included the analysis, design and implementation of the system requirements. This system interfaced with the customer's existing iSeries ERP system.

To keep my skill set up to date I am also developing a squash league app using React, RESTful web services and MongoDB which will eventually be deployed to Microsoft Azure.

Customers: Spinnaker International-Saltash, Rittal-CSM - Plymouth, Superwinch-Tavistock, Thornbury Manufacturing – Plymouth, Centrax- Newton Abbot, Trundlewood Property Management-Plymouth, Appen(formerly Mendip Media Group) - Exeter

Employment

History (ctd): Centrax Ltd, Newton Abbot: April 1995 – May 1997

As IT Manager of a medium sized manufacturing plant, I was responsible for all aspects of the companies IT systems. Responsibilities included, three members of staff, negotiating with various internal and external contacts, budgetary control, managing various development projects and formulating a company IT strategy. Projects included: -

- Successfully project managed the installation of a 120-user network.

Eaton Ltd, Plymouth: February 1985 – March 1995

Over the 10 years, I was at Eaton I worked my way up from the position of Trainee Computer Operator to IT Manager. I was eventually responsible for all aspects of the day-to-day running of the IT department. Projects included:-

- Co project managed the successful implementation of Infor Fourth Shift ERP package – IBM MAAPICS replacement.

Skills:

Drupal, Javascript, Java & Jave EE-specifically Glassfish and JSF, Delphi XE10, ASP.NET, PHP, Windows Server 2008/20012/SBS2003 administration and deployment, MS SQL server, SQL Server Reporting Services, MS Access, IBM/Domino administration and design, Linux administration skills.

Education:

Various ongoing Udemy courses
Masters Degree in Web Technologies & Security at Plymouth University
BTEC in 3D Advanced CAD using 3D Studio Max from Plymouth CFE

Southway Comprehensive School, Rockfield Avenue, Southway, Plymouth, Devon.

Qualifications: 7 'O' Levels, 2 CSE's

Personal

Details:

Driving License: Yes - Clean
Health: Good – Non-Smoker

Likes:

I have recently developed an interest in 3D graphics and digital art. I also have non-computer related interests, which include Swimming, Squash, playing and watching both Football and Cricket, travelling, playing my guitar (poorly!) and social evenings out with friends.

References:

Available on request