Neil Lawrence

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Summary

Software Engineer with long experience of delivering complex software systems in different commercial environments including insurance, financial services and telecommunications. Proven track record of success in all aspects of the software development lifecycle on many platforms. Works well in a team, is a fast learner, a good problem solver, and is reliable and flexible. Has operated as a permanent employee and a freelance contractor both in the UK and abroad.

Key Technical Skills and Education

C++, C, C#, OOD, Visual Basic, UNIX, SQL, XML
B.Sc. Computer Science (Hons). Brunel University.

Career Summary

Third Dimension, Bristol   **Jan 2019 – May 2019**
    Key Skills: C++
- Development of Third Dimension's hand-held optical measurement device used for post-production quality control of high-precision components.

BlueVenn, Bristol   **Apr 2018 – Nov 2018**
    Key Skills: C++, Jira
- Maintained and developed BlueVenn's analytical data engine used by marketers to produce highly targeted campaigns to their customer base. Development was in an Agile environment using Jira as a case-tracking tool.

Endsleigh Insurance, Cheltenham   **Oct 2011 – Dec 2017**
    Key Skills: C++, C#, C, COM, VB6, SQL
- Worked in the PC development team within Endsleigh's IT department. Primarily responsible for the development and maintenance of their legacy offline systems (mainly C++, COM and VB6). Also undertook web-based development (in C++/CLI and C#) of newer online customer-facing offerings.

Invensys Rail, Chippenham   **Jun 2010 – Oct 2011**
    Key Skills: C#, C, C++, XML
- Responsible for the development and support of key components for a Control Centre of a mass-transit rail network (specifically London Underground). This very large and complex multi-tiered system comprised many legacy C/C++ modules along with newer C# modules. The work involved design, coding, testing and documentation of new functionality. Strict configuration control and adherence to well-defined processes was essential.

Vertex Financial Services, Cheltenham   **2001 – Dec 2009**
    Key Skills: C++, C#, XML, COM, Visual Basic, SQL, InstallShield

- Lead developer in a small team implementing and maintaining calculations engines providing the figures for use in illustrative quotes for financial products including mortgages, pensions and investments, life assurance and annuities. These engines followed a highly parameterised object-oriented design and were implemented in C++ with an XML interface. Was involved in all aspects of the software development life-cycle including liaising with clients to establish requirements, working closely with actuaries and business analysts to specify and test the solution, and with configuration and implementation teams to deliver the solution.

- Developed a test harness (using Visual Basic and SQL) in parallel with the calculations engine to facilitate test case and regression management to assure delivery quality. Again, work was undertaken to port this software to C#.NET.

- Took over responsibility for the development and maintenance of the parameter system used by the calculations engines. Originally written in Visual Basic on a SQL Server database, new modules were developed in C#.NET.

- Produced business, technical and test specifications, and user documentation.

Freelance Contractor   **1994 - 2001**

    Lucent Technologies, Malmesbury   1998 - 2001
      Key Skills: C++, C, UNIX, SDH, CORBA, OOD/OOP, SQL, UML
      Worked in the Optical Network Management (ONM) department developing software systems to facilitate the provisioning and monitoring of telecommunications networks. This work was primarily undertaken in C++ on a UNIX platform utilising the CORBA inter-process communication model on an Oracle database.

    Emisis Ltd, Trowbridge   1997 - 1998
      Key Skills: UNIX, C++, C, Pro*C, OOD, Oracle, SQL, GEOS, TCP/IP
      Developed both server and client-side applications to deliver news content to users' mobile phones using SMS. The technology was mainly C++ on a Unix server and GEOS (Nokia's operating system) on the client.

    Computer Sciences Corporation (CSC), Brussels, Belgium   1997
      Key Skills: C++, C, Pro*C, UNIX, OOD, SQL, Visual Basic
      Worked in a small multi-national team implementing a new customer billing system.

    Thorn Transit Systems International, Wells   1996 - 1997
      Key Skills: C++, UNIX, OOD
      Involved in the design and implementation of a control system for automatic fare collection at stations on a metro/railway network. The design work was undertaken using OMT (Object Modelling Technique) and the Select tool was used to assist in this. The implementation used C++ running under UNIX.

    Collingworth Consulting Ltd, Yeovil   1995 - 1996
      Key Skills: Visual Basic, GUI, Access
      Part of a small team of developers designing and implementing Windows GUIs for EDI (Electronic Data Interchange) applications. These were developed in VB on top of an Access database.

    Clerical Medical Investment Group, Bristol   1994 - 1995
      Key Skills: C, Pro*C,Oracle
      Development and maintenance of an illustration system for financial products. This work was undertaken in C and Pro*C on a Windows platform.

Galileo International, Swindon   **1990 - 1994**
    Key Skills: C, Visual C++, MFC, Visual Basic, GUI, Windows, Sybase
    Galileo provides reservation services to the travel industry. Developed Windows applications for deployment in travel agencies. The technology used included Windows, C, Visual Basic, Visual C++ and MFC, GUI design and programming. Worked off-site for six months to provide day-to-day technical support to a sub-contractor.