

# DR. JULIAN J. WAGSTAFF

b. 13 July 1970

**Please note: I am currently seeking contract/freelance roles only.**

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**PROFILE**      An analyst/developer and technical author/translator with 20 years' professional IT experience. Key skills are: Visual Basic (VB5, VB6, VB.Net), ASP.Net, VBA (MS Access, Excel, Word), C#.Net, Mirth Connect / HL7, T-SQL; systems integration; relational databases including Access, SQL Server, Oracle; XML, HTML, CSS, JavaScript, some WebGL; RS232 comms; interface design; extensive experience in migration and upgrade projects; fluent written and spoken German. Experience in various sectors including finance, healthcare, telecoms, automation/robotics, research and pharmaceuticals. A 1<sup>st</sup> class honours and PhD graduate with excellent communication, documentation, customer-facing, technical and problem-solving skills. A specialist in assimilating information quickly from a wide range of sources.

## EMPLOYMENT HISTORY

**Nov 2016 – Jun 2017; Oct 2017 – Feb 2018**                      **Capita, Edinburgh/Galashiels**  
VB.Net/SQL Server developer working on the pensions management system PS Pensions. Included extensive documentation tasks.

**May 2015 – Feb 2016; April - May 2016**                      **Hospedia, Edinburgh**  
Developer and integration specialist on the ExtraMed patient flow management system for the healthcare sector. Key technologies: C#.Net, VB.Net, JavaScript, Mirth Connect/HL7, HTML, CSS, Nancy/MVC, NHibernate, T-SQL. The role involves developing new integration-related features, both customer-specific and system-wide, for the ExtraMed application, as well as resolving support issues, responding to tender proposals in respect of system integration matters, giving presentations on integration/Mirth/HL7 to customers and colleagues. The role was extremely varied and very demanding, with a broad range of skills, including customer-facing skills required.

**July 2007 – April 2015**                      **PRIO, Oslo, Norway**  
Visual Basic 6, VB.Net, MS Access, C#.Net, SQL Server, XML, HTML, JavaScript and WebGL analyst/developer (freelance – working mainly from Edinburgh), producing custom database and data visualisation applications (including web-based) for a Norwegian research organisation. Produced bespoke database creation and management program, along with a custom query interface in Visual Basic dynamically producing output in HTML to a custom specification. Upsized MS Access database to MS SQL Server. Migrated the entire application to VB.Net for access over the Internet. Produced online document library of over 40,000 documents, plus a web-based document search application in C#.Net. Produced a three-dimensional graphical data visualisation tool for global homicide statistics in association with the Igarapé Institute, Brazil.

**Feb 2007 – June 2007**                      **Northgate Information Solutions, Livingston**  
(Previously also July 2006 – Sept 2006): MS Access to Oracle conversion. Involved the re-writing and upgrading of a prepayment certificates management system (MS Access frontend) for the NHS in Scotland. Also ongoing support of a VB/SQL Server application handling pharmacy pay adjustments and an MS Access system relating to contingency payments to Scottish pharmacies. Included all end-user liaison, analysis and documentation tasks.

**Nov 2004 – June 2006      Affordable Automation, Manchester**  
VB6 / VB.Net developer (freelance) on driver systems for automated industrial devices (robotic drivers).

**April 2004                      Western General Hospital, Edinburgh**  
VB 6, MS Access. Produced bespoke database management system for Laser Clinic database.

**March 2002 - April 2002      Organon Laboratories, Newhouse, Lanarkshire**  
Visual Basic 6.0 analyst/developer with the High Throughput Screening team (drug discovery). Produced detailed analysis documentation on the driver environment for robotic bench devices and produced bespoke driver software (as an ActiveX component) linking to an MS Access database for a new incubator unit, along with a "generic" driver enabling control of any device.

**March 2001 - July 2001      Scottish Widows, Edinburgh**  
Analyst/programmer on a mainframe-client/server (RUFUS) upgrade project. Produced an interface between the new client/server environment and a legacy mainframe system using VB6 and DB2/SQL. Extensive database design and manipulation work. Some Easytrieve and JCL.

**Sept 2000 - Dec 2000      HRG Systems Ltd, Leith**  
Project manager (including Prince 2 documentation) for small company producing software for the health service.

**May 2000 - June 2000      Motorola Manufacturing Systems, Livingston**  
Visual Basic/Access analyst/developer on an automation project for the pharmaceutical industry. VB5 user interface linking to the robot through VBScript with an MS Access backend.

**Sept 1999 - April 2000      Standard Life Assurance Company, Edinburgh**  
Technical author and translator. Translated all business processes and requirements, produced on-line help files and training documentation in English and in German.

**Aug 1997 - Aug 1999      RoboSens Ltd, Leith, Edinburgh**  
Project manager and software developer on GUITARMASER, a PC-based chord recognition and notation system. Handled all design, marketing and documentation tasks over the full lifecycle.

**July 1995 – Present      Julian J Wagstaff German-English Translations, Edinburgh**  
Proprietor of German-English translation and interpreting business specialising in the fields of finance, technology, engineering (including automotive), the physical sciences and economics.

## **TRANSFERABLE SKILLS**

### **COMPUTING:**

- **PROGRAMMING:** Visual Basic 5/6, VB.Net, C#.Net, JavaScript: particularly rulebases, databases, GUI's, Windows API interface, client/server applications, DLL and data interfaces, also RS232/COM port and hardware communication. Mirth Connect, HL7 and systems integration. T-SQL and stored procedures. Knowledge of Visual Basic 4, 16-bit API and object-oriented techniques. Experience in XML, HTML, CSS and web maintenance. Some WebGL experience. Experience of earlier Microsoft BASICs and assembler. Specialist in writing clear, easily maintainable code. Knowledge of VBA, particularly Microsoft Access, including Access 2000. Extensive experience with relational databases including SQL Server, Oracle and some DB2 experience. Some mainframe exposure including JCL, Easytrieve and Cobol. Experience with N-Unit, Redmine, TeamCity, Tortoise SVN. Some Nancy/MVC and NHibernate experience.
- **ANALYSIS:** Very strong analysis, problem-solving and data/knowledge assimilation skills

- APPLICATION AND INTERFACE DESIGN including Windows standards, application development and testing, icon design and integration. Able to produce modular applications to a specific brief.
- DOCUMENTATION: Help/user manual authoring, technical authoring, application documentation, layout work and technical translation (German).
- HELP AUTHORING: Wextech Doc-to-Help authoring environment, Microsoft Help Workshop.
- MISCELLANEOUS: Microsoft Word, Excel, PowerPoint, Publisher, Adobe Photoshop etc. Good understanding of machine code concepts and binary/hexadecimal arithmetic.

#### **OTHER SKILLS:**

- ELECTRONICS: Knowledge of logic, transistor and audio circuits. Experience in circuit construction. Some circuit design experience. Knowledge of robotic principles.
- TELECOMS: Understanding of key concepts and practices relating to line plant, line testing, switches and exchanges, records purification.
- LANGUAGES: Fluent German and extensive knowledge of business and technical terminology. Experienced technical translator (esp. automation and automotive engineering). Some French. A proven communicator with good customer-facing skills.
- Business and project management, QA (BS5750/ISO 9000), typing (60 wpm), research skills. Experience of Prince 2 project documentation.

### **QUALIFICATIONS AND AWARDS**

#### **ACADEMIC**

- **PHD IN MUSICAL COMPOSITION** (Edinburgh University, 2008). External examiner was Edinburgh International Festival director Jonathan Mills. Portfolio approved with no corrections.
- **Music MMus (Masters)** (Edinburgh University, 2002): Distinction marks for history and orchestration
- **German and Politics BA** (Reading University, 1993): **1st Class Honours** with distinction in written and spoken German
- **Pickering Prize** for excellence in German and **Campbell Prize** for excellence in Politics for achieving the best final scores at Reading University for both subjects
- **International Baccalaureate** (Atlantic College, S. Glamorgan). Specialisms in the natural sciences (Physics, Chemistry, Mathematics)

#### **VOCATIONAL**

- **SMART: SCOTLAND** winner (RoboSens Ltd) 1997 awarded by the Scottish Office.
- **A.I.T.I.** (Associate of the Institute of Translation and Interpreting)
- Royal Bank of Scotland **Regional Business Award** winner (German-English Translations) 1997.
- **Emre Araci Prize** for musical composition, 2005.

### **OTHER INTERESTS/POSITIONS HELD**

- Contributor and assistant editor of Reading University newspaper
- Strong interest and professional involvement in music and the musical theatre. Wrote, composed and produced the opera *Breathe Freely*, commissioned by Edinburgh University in 2013 and produced in association with Scottish Opera in the same year.
- Enjoy cycling, swimming, tennis, chess.