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**Personal Information:**

**Name:** William Holohan

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Email: [bill@holohan.net](mailto:bill@holohan.net)  
Homepage: [www.holohan.net](http://www.holohan.net)

**Date of birth:** 13/06/1952

**Nationality:** Irish

**Status:** married

**Languages:** English: Native Speaker  
German: Very good (used in private/family)  
French: basic knowledge (worked in Paris for a year)

**Education:** B.Sc. (Gen) in Mathematics, Physics, and Computer Science at  
University College Dublin.  
Graduated in 1972

**DP experience since:** 1973

**Web-site:** [www.holohan.net](http://www.holohan.net)

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## **EDP Knowledge:**

<b>Hardware:</b>	PC HP ICL Amiga Data General Digital
<b>Operating Systems:</b>	Windows 10, 7, Vista, XP, 2000, NT 4.0, MS-DOS Symbian/Series 60 UNIX, HP-UX, Linux, X11 AmigaOS VAX/VMS VME/B
<b>Programming Languages:</b>	C#, C++, C, Java, Xtext, Xtend, Visual Basic, Ruby, VBA, Windows Forms, ADO.net, DCOM/COM, ATL, .Net 2.0/3.0 Algol, COBOL, 80x86, 8039 & 68000 Assembler Data General & ICL 2900 Assembler SQL (Basic knowledge)
<b>Database:</b>	Access 2002 (good knowledge),
<b>Development Tools:</b>	Microsoft Visual Studio (1.0 - 2017), Eclipse, Android Studio, NetBeans, Rational Rose, Rational Clearcase, Microsoft Visual SourceSafe, Rational ClearQuest, Doors & eRoom (as user), Sandcastle, UMLet, gcov, Coverity
<b>Communications:</b>	RS232, USB, IrDA, Bluetooth, ICLC03, X.25
<b>Standards:</b>	AT, OBEX, IrMC, SyncML, MTP, OMA DRM, WMDRM
<b>Standard Software:</b>	WinWord, Excel, Access
<b>Specialities:</b>	Software design and development for MS-Windows and Microprocessors, GUI Design, Object-oriented Design and Programming
<b>Branch:</b>	Industry
<b>Previous Positions:</b>	Software Architect / Designer / Developer, Technical Project Lead
<b>Special knowledge:</b>	<b>Due to my long experience in various projects I am able to become productive very quickly in a new project. I can then either design/develop new solutions or work with the current solutions.</b>

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**Projects:**

- 05/2015 – **Nash Technologies, Boeblingen**  
**Software Designer**
- Responsibility:*  
Various enhancements for a SOC Tester.
- System:*  
Red Hat Linux (RHEL5/7)
- Language(s):*  
C++, Ruby, Java, Xtext, Xtend, Xpect, Python
- Tools:*  
Eclipse, Coverity, gcov, GIT, Scrum, Jira
- 07/2011 – 04/2015 **Advantest, Boeblingen**  
**Software Designer**
- Responsibility:*  
Various enhancements for a SOC Tester.
- System:*  
Red Hat Linux (RHEL5)
- Language(s):*  
C++, Ruby, Java, Python
- Tools:*  
Rational Clearcase, Rational Rose, Eclipse, Coverity, gcov, GIT, Scrum, Jira
- 03/2010 – 07/2011 **Verigy, Boeblingen**  
**Software Designer**
- Responsibility:*  
Various enhancements for a SOC Tester.
- System:*  
Red Hat Linux (RHEL5)
- Language(s):*  
C++, Ruby, Java
- Tools:*  
Rational Clearcase, Rational Rose, Eclipse, Coverity, gcov
- 12/2009 – 02/2010 **Stuttgart**  
**Software Designer**
- Responsibility:*  
I wrote a Prototype (GUI and module concept) for an application for testing consumer devices for a well known German manufacturer.
- System:*  
Windows
- Language(s):*  
C#, C++
- Tools:*  
Visual Studio 2008, UMLet, Sandcastle, National Instruments Measurement Studio

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09/2008 – 05/2009

**Verigy, Boeblingen**  
**Software Designer**

*Responsibility:*

Enhancement of a SOC Tester for 'High Volume Manufacturing'.  
I also wrote an Eclipse plug-in for the tester software (GUI based on Eclipse) for exporting and importing test data.

*System:*

Red Hat Linux (RHEL5)

*Language(s):*

C++, Ruby, Java, JUnit, SWIG, JNI, JavaScript, CppUnit, gcov

*Tools:*

Rational Clearcase, Rational Rose, Eclipse (Plug-in)

01/2007 – 08/2008

**Agilent, Boeblingen**  
**Software Designer**

*Responsibility:*

I wrote various Programmes for Calibration and Verification of Test Equipment. I also wrote a Programme updating Firmware on current and planned devices. Most of these Programmes were written in C#. Some required a mixture of C# and Managed C++ to interface to existing libraries written in C++.

*System:*

MS-Windows XP

*Language(s):*

C#, C++ (Managed & Unmanaged), Windows Forms (GUI), MFC, ATL, XML, XSLT, VBA, SQL, ADO.net, .Net 2.0/3.0

*Tools:*

Rational Clearcase, Visual Studio 2005, NUnit, NCover(Explorer), WiX, FxCop

*Database:*

SQL Server, Access, ODBC

10/2006 – 12/2006

**BenQ Mobile (in Insolvency), Munich**  
**Software Designer / Phone Developer Contact**

*Responsibility:*

I was the contact person, within the Mobile Phone Manager (MPM) project, responsible for interaction with the remaining European BenQ-Siemens phone projects (as in the period 10/2005 – 09/2006).

My main responsibility in this period was, as the last remaining developer, to provide any bug-fixing required for support of the phones which continued in production and to co-ordinate these with the phone projects.

I also investigated various Modules and wrote documentation to help new developers (should there ever be any) understand the MPM Product.

*System:*

MS-Windows (NT/2000/XP)

*Language(s):*

Visual Studio 2003/5, C# (minimal usage), C++, MFC, COM, ATL, UML, XML, XSLT

*Standards:*

OBEX, IrMC, SyncML, AT, MTP, OMA DRM, WMDRM

*Tools:*

Rational Clearcase, Rational Rose 2000, Rational ClearQuest, Telelogica Doors

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10/2005 – 09/2006

**BenQ Mobile, Munich**  
**Software Designer / Phone Developer Contact**

*Responsibility:*

Responsible, within the Mobile Phone Manager (MPM) project, for interaction with all new BenQ-Siemens phone projects. This involved

- advising phone developers on how to conform to the MPM standards for Phone-PC Connectivity (OBEX, SyncML, AT Commands),
- acquiring the information from them to enable the MPM project to support the phone,
- persuading the phone project management to implement the functionality required by MPM, and
- planning and tracking MPM's development and testing with the new phones.

System Architect for one phone which had a major dependence on MPM. I continued to be responsible for supporting the ODM projects which survived the change in ownership and some component development.

*System:*

MS-Windows (NT/2000/XP)

*Language(s):*

Visual Studio 2003/5, C# (minimal usage), C++, MFC, COM, ATL, UML, XML, XSLT

*Standards:*

OBEX, IrMC, SyncML, AT, MTP, OMA DRM, WMDRM

*Tools:*

Rational Clearcase, Rational Rose 2000, Rational ClearQuest, Telelogica Doors

06/2004 – 09/2005

**Siemens Mobile, Munich**  
**Software Designer / ODM Contact**

*Responsibility:*

Contact person for ODM phone projects within the Mobile Phone Manager (MPM) project. This involved

- advising ODM developers on how to conform to the Siemens standards for Phone-PC Connectivity and also ensuring that they did so,
- documenting the Siemens interfaces and supplying this to the various ODM projects,
- regular teleconferences with the developers and management of the various companies,
- planning and, sometimes, implementing changes to the MPM interfaces where the ODM Projects were unable or unwilling to implement the Siemens interfaces.

During this time I was also responsible for planning, designing and partially implementing SyncML usage within MPM and established myself as the project expert for OBEX topics.

*System:*

MS-Windows (NT/2000/XP)

*Language(s):*

Visual C++ 6.0, MFC, COM, ATL, UML, XML, XSLT

*Standards:*

OBEX, IrMC, SyncML, AT

*Tools:*

Rational Clearcase, Rational Rose 2000

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01/2003 – 06/2004

**Siemens Mobile, Munich**  
**Software Designer**

*Responsibility:*

I worked on the Mobile Phone Manager and wrote the components responsible for handling messaging (SMS and MMS), Synchronisation, and Backup/Restore for the SX1 (Symbian / Series 60 phone). This involved writing code for the PC and Phone.

*System:*

MS-Windows (NT/2000), Symbian/Series 60

*Language(s):*

Visual C++ 6.0, MFC, COM, ATL, UML

*Tools:*

Rational Clearcase, Rational Rose 2000

01/1999 – 09/2002

**Agilent, Boeblingen**  
**Software Designer**

*Responsibility:*

I wrote a number of programmes to Verify and Calibrate Optical Measurement instruments but my main task was to write tools (C++ libraries and utilities, DevStudio Wizards and macros, Excel macros) to enable others to more easily write test applications. I was also responsible for investigating and introducing, where applicable, new technologies. I also refactored a number of programmes which had become too large and complicated. We used XML for configuration files and for displaying test results and used DOM (C++), XSLT and JavaScript.

*System:*

MS-Windows (NT/2000), GPIB, USB, RS232

*Language(s):*

Visual C++ 6.0/5.0, MFC, DCOM/COM, ATL, UML, XML, XSLT, JavaScript, VBA, SQL

*Tools:*

Rational Clearcase, Microsoft Visual SourceSafe, Rational Rose 2000

*Database:*

SQL Server, Access, ODBC

03/1998 – 12/1998

**HP, Boeblingen**  
**Software Designer**

*Responsibility:*

I optimised and extended a group of modules from a large project (c. 30 Developers). I reduced the time required for the test suite from a number of hours to about 10 minutes.

*System:*

Windows NT, UNIX (HP-UX)

*Language(s):*

C++

*Tools:*

Rational Clearcase, Rational Purify, Rational Quantify

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04/1997 – 02/1998

**HP, Boeblingen**  
**Software Designer**

*Responsibility:*

I developed a Framework with which one can easily write test and initialisation programmes for a family of measurement instruments. I wrote the first few tests together with a production Engineer to verify the system. I then wrote a Cookbook, which was to be used by students doing a practical semester at the company and by production engineers with little programming experience.

The Cookbook and Framework were still being used in September 2002.

*System:*

Windows NT, GPIB, RS232

*Language(s):*

Visual C++, MFC, DCOM/COM

*Tools:*

Microsoft Visual SourceSafe

*Database:*

Access, SQL Server, ODBC

07/1993 – 04/1997

**Bosch, Hildesheim**  
**Software Designer**

*Responsibility:*

The developers of an in-car navigation system were having difficulty during testing in deciding if their problems were due to map data or programming errors. I was brought in to write an application to display the map data in human readable form on a PC. This was finished so quickly that I was allowed to develop my suggestion of displaying the maps on a PC. This then lead to an application which allowed to the developers to test their routing code on a PC and testing of externally supplied data (e.g. lists of Hotels and Petrol Stations).

The programmes used OLE Automation und in-place Activation.

*System:*

Windows NT / 3.x / 95

*Language(s):*

Visual C++, Visual Basic, MFC, OLE2, RDO

*Database:*

Access, ODBC

01/1992 – 11/1992

**Philips, Nuernberg**  
**Software Designer**

*Responsibility:*

I was a member of a team designing the code for an ISDN Videophone. I also designed a GUI and wrote a Prototype for it in Smalltalk/V for MS-Windows.

The project was carried out by Integrata in Munich.

*System:*

Windows NT, VAX/VMS

*Language(s):*

C, Smalltalk, SDL

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04/1989 – 12/1991

**ZR, Stuttgart  
Software Designer**

*Responsibility:*

I wrote a paint programme and mask/code-generator for a graphic and text GUI. The graphic routines were able to handle pixel and vector graphics. I wrote routines to print the screen contents using generated Postscript. We used C++ from March 1990 onwards.

*System:*

UNIX / X11 (Motif)

*Language(s):*

C, C++, awk, bash, Postscript

01/1988 – 07/1989

**Various, Stuttgart  
Software Designer**

*Responsibility:*

I wrote a number of Video/Graphics programmes using Amiga computers for various customers in Stuttgart. I wrote a Microsoft Mouse Emulator for personal use and succeeded in selling it to Commodore for general distribution with PC Cards for the Amiga. I also developed later versions of the Emulator for Commodore.

*System:*

AmigaOS, MS-DOS, MS-Windows

*Language(s):*

C, 80x86 und 68000 Assembler

09/1987 – 12/1987

**Rohde & Schwarz, Munich  
Software Designer**

*Responsibility:*

I wrote programmes for measuring Radio Interference using Rohde & Schwarz IEC Bus controllers. The programme sources were distributed with the devices as examples for the customers.

*System:*

MS\_DOS

*Language(s):*

Basic

04/1984 – 06/1987

**ANT, Backnang  
Software Designer**

*Responsibility:*

I wrote the firmware for various telephones using 8039, 8085, und 8088 Microprocessors. I also designed and implemented a GUI for a four line LCD screen for one of the telephones.

*System:*

MS\_DOS, UNIX, HP64000

*Language(s):*

Pascal, C, 8039 / 8085 / 8088 Assembler

*Tools:*

In-Circuit Emulator



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06/1981 – 07/1983

**Data General, Paris  
Software Designer**

*Responsibility:*

I wrote an emulation of the ICL Communications Protocol, ICLCO3, for Data General computers.

*System:*

Data General

*Language(s):*

Assembler

*Tools:*

Protocol Analyser

07/1973 – 05/1981

**ICL, Bracknell  
Software Designer**

*Responsibility:*

I worked on various projects in areas such as

- implementing an X.25 Network,
- implementing a Transaction Processing Monitor (TPMS/IDMS),
- implementing an operating system (VME/B),
- writing a COBOL Compiler, and
- Customer Support.

I was the Design Manager for TPMS (with responsibility for the designs of a team of 30 designer/developers) for a number of years.

*System:*

ICL 1900, ICL 2900, ICL S.25

*Language(s):*

COBOL, Algol, Assembler

*Tools:*

Protocol Analyser

## References

- ◆ Agilent Technologies Deutschland GmbH, Abteilung OCMD, Thomas Offenhaeuser, 07031 464-1274
- ◆ Integrata AG, Tuebingen, Gerhard Waechter und Hans Klott (for Philips Project)
- ◆ Altmann & Partner, Ortwin Altmann, 02245 2824 (for ANT, Rohde & Schwarz, und Bosch Projects)

If required I can supply copies (FAX or jpeg via e-mail) of references from the above persons.