## PERSONALIA

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| Name | Eric Beragg |
| Date of birth | 05-07-1981 (Sittard, Netherlands) |
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## PROFILE

I'm an inquisitive professional with a passion for all things technology related. I love to share that passion with others. My specialty is C # /. NET and includes (enterprise) client-server web applications, desktop applications and mobile / embedded applications, usually in some combination. I have carried out projects in commercial environments, research environments (semi government) and for private companies. Creativity, enthusiasm and dedication are not only qualities that I possess, but which I also like to encourage in others. My technical skills, combined with my interpersonal skills lead to people finding me a pleasant team member.

## EDUCATION

HAVO, Serviam College Sittard (2000)
HTS Informatica, Hogeschool Zuyd (2006)

## CERTIFICATIONS

MCPD Web Developer .NET 4.0, Koenig Solutions India (2011)
MCTS Accessing Data with .NET 4.0, Koenig Solutions India (2011)
MCTS Web Applications with .NET 4.0, Koenig Solutions India (2011)
MCTS Windows Communication Foundation with .NET 4.0, Koenig Solutions India (2011)
Complete WPF, Twice IT (2008)
Windows Embedded CE 6, Microsoft (2007)
Enterprise Architect, AltenPTS (2007)

## RECENT EXPERTISE (DESKTOP)

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| Visual Studio 6 / .NET / 2005 / 2008 / 2010 | SQL Server 2005 / 2008 (R2) |
| .NET Framework 2.0 / 3.0 / 3.5 / 4.0 | MySQL / SQLite |
| C# / VB.NET | ADO.NET / Entity Framework |
| ASP.NET 2.0 / 3.5 / 4.0 | Language Integrate Queries (LINQ) |
| Silverlight 2.0 / 3.0 / 4.0 | (T-)SQL |
| HTML / CSS | XML / XSD / XSLT |
| JavaScript / jQuery | Team Foundation Server 2010 |
| Web Services (SOAP / REST / ATOM / JSON) | Hudson Continuous Integration Server |
| Windows Communication Foundation (WCF) | Subversion |
| Windows Forms | JIRA / Mantis / Trac |
| Windows Presentation Foundation (WPF) | Unit testing (VS2010 / NUnit) |
| OpenGL / DirectX | Windows Installer |

## RECENT EXPERTISE (MOBILE / EMBEDDED)

C++ / Boost

Embedded LINUX (BuildRoot/µClibc/BusyBox)

Shell scripting

AutoTools

Eclipse IDE

Windows CE

Objective-C

iPhone (iOS)

Xcode IDE

Max OS X

## EXPERIENCE

| Period | 04-2011 / Current |
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| Company | TNO Industrial Innovation |
| Tasks | TNO supports the government and SME's on strategical and industrial innovation. For the department of High Tech Systems & Materials, I developed several software packages (one-man team).<br><br>My tasks included the following:<br><br>• Realization of installation packages (VS Setup, Custom Actions, Obfusction, etc.)<br>• Process simulation and visualization for a high-speed rapid manufacturing 3D printer<br>• Modular design using Prism and Unity libraries<br>• Architecture and UI design in agile setting |
| Technologies, tools, methodologies | WPF, LINQ, WCF, Prism + Unity, MVVM, Unit testing, Windows Installer |

| Period | 02-2011 |
|---|---|
| Company | UPC |
| Tasks | UPC provides internet, television and telephony to about two million customers. For a short project I fulfilled a role as a test engineer.<br><br>Among my duties were:<br><br>• Creation of an automated regression test for the UI<br>• Writing various test scripts in Python for web testing<br>• Verification of closed bug reports |
| Technologies, tools, methodologies | Python, Test Anywhere, Jira |

| Period | 11-2010 / 01-2011 |
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| Company | Philips Lighting & CleanTech Incubators |
| Tasks | At Philips I was in a project for the incubator Lumalive. Lumalive is an |

application where LED panels are used to display video content (in public areas) for atmospheric impressions. In my role as a software engineer, I developed extensions to the Lumalive linear video editor.

Among my duties were the following:

- Development of user control for video playback with pixel shaders, based on DirectX / DirectShow
- Conversion of video content to LED panel content
- Design and implementation of various user controls (e.g. for diagram drawings) using WPF

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| **Technologies, tools, methodologies** | C# / .NET, WPF, WinForms, DirectX, DirectShow, Pixel Shaders, OpenGL |

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| **Period** | **09-2009 / 10-2010** |
| **Company** | Eurocom Technology BV |
| **Tasks** | Eurocom Technology is engaged in early warning and communication systems based on IP telephony and technology for intra- and extramural healthcare. Within a team of ten persons we realized a platform consisting of a web portal and a Linux-based ARM device, providing a means for remote caregiving to consumers and health care professionals. In the role of software engineer, I have contributed to the development of both platforms.<br><br>My tasks included the following:<br><br>- Develop an application for a Linux-based ARM device with DECT / VOIP integration (C + + / Boost)<br>- Generator and code templates for building CRUD methods, business objects, etc.<br>- Team Foundation Server 2010 build environment setup<br>- Unit testing<br>- Writing code for an ASP.Net portal (C #), particularly aimed at robustness and scalability (elaborate testing, load-balanced environment)<br>- Implementing Stored procedures (T-SQL)<br>- Performance tooling for measuring scalability of the web platform<br>- ActiveX control that enables VOIP calls from the browser<br>- Reports for billing (XML / XSLT)<br>- Link to external alarm monitoring station (web service)<br>- Daily SCRUM / agile environment |
| **Technologies, tools, methodologies** | C#/.NET, ASP.NET, WCF, LINQ, C++, Boost, Enterprise Library, ActiveX, XML/XSD/XSLT, T4 Code Generator, SQL Server 2008 R2, T-SQL, Unit testing, Scrum, Team Foundation Server 2010, Hudson, Windows Installer |

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| **Period** | **12-2007 / 05-2009** |
| **Company** | TNO |

| Tasks | TNO Science & Technology is involved in knowledge development for SMEs. One of the areas is rapid prototyping & manufacturing. To support research projects, a number of applications were developed. Besides the development of analytical components, my primary role was design and development of the interaction with the user. In the role of software engineer I was responsible for developing various user interfaces and 3D visualizations. |
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| | Among my duties were: |
| | <ul><li>Acquiring knowledge of WPF projects for use within TNO</li><li>Design and development of user interaction and consultation with clients</li><li>Conversion of analytical data into 3D representations</li><li>Working in a European collaboration with multi-disciplinary teams (10 + people)</li><li>Converting Windows Forms applications to WPF</li><li>Profiling and optimization of code</li><li>Architectural design</li></ul> |
| **Technologies, tools, methodologies** | C#/.NET, WPF, WinForms, Expression Blend, XML/XSD, DotTrace profiler, Windows Installer |


| Period | 08-2006 / 07-2007 |
|---|---|
| **Company** | Applied Micro Electronics (AME) |
| **Tasks** | For AME I did several projects, including: |
| | <ul><li>Fleet tracking system (prototype)</li><li>Energy monitoring system (design)</li><li>Embedded platform deployment</li></ul> |
| | In my role as a software engineer I completed the following tasks: |
| | <ul><li>Develop functional and technical specifications and factory acceptance tests</li><li>Project planning for several developments</li><li>GPRS + GPS + web service + Google Maps = fleet tracking, based on an ARM platform</li><li>Windows CE platform deployment on ARM</li><li>Transactioned web services for credit transactions</li><li>Unit testing</li></ul> |
| **Technologies, tools, methodologies** | C#/.NET, WinForms, Web Services, JavaScript, Visio, MS Project, Windows CE, NUnit |