


## PERSONAL INFORMATION

## Angela Brett

 Vienna (Austria)

 [angela@kagi.com](mailto:angela@kagi.com)

 <http://angelastic.com>

Date of birth 31/05/1980 | Nationality New Zealander, British

## WORK EXPERIENCE

1 Jan 2010–31 Dec 2014

**Controls Engineer**

EBG MedAustron  
Marie Curie-Straße 5, A-2700 Wiener-Neustadt (Austria)  
<http://medaustron.at>

- Developing a Windows C# interface to access WinCC Open Architecture, as a layer over the existing C++ API.
- Maintaining, testing and extending software developed by an external contractor
- Developing Windows C# tools to populate the database used by said software, and extract the data to create various kinds of configuration files used by different parts of the control system
- Writing requirements, design and test documentation for software

Note that although my employer is based in Austria, until September 2013 I was based at CERN in Geneva.

Business or sector Medical

1 Jan 2009–31 Dec 2009

**Computing professional**

U.S. CMS EMU M&O Program

- Developing software in C++ using XDAQ on Linux to migrate configurations for the CMS EMU subdetector from XML files to an Oracle database, with a web interface to edit configurations
- Making changes to PVSS (now WinCC Open Architecture) projects to make more use of the configuration database

Note that although I was employed through a US program and paid by Fermilab, I was based at CERN in Geneva.

1 Apr 2007–31 Dec 2008

**Academic guest**

ETH Zürich  
Raemistrasse 101, CH-8092 Zürich (Switzerland)  
<http://ethz.ch>

- Developing applications in PVSS II (now WinCC Open Architecture) for visualising the status of equipment, and for calibration

Note that although my employer is based in Zürich, I was based at CERN in Geneva.

Business or sector Academic

1 Apr 2005–31 Mar 2007

**Marie Curie Early Stage Training Fellow**

European Organization for Nuclear Research (CERN), Geneva (Switzerland)  
<http://cern.ch>

- Writing the database access component for the XDAQ platform, in C++ on CERN Scientific Linux
- Writing software for PVSS II (now WinCC Open Architecture), including PL/SQL scripts to improve its interface with the Oracle database

13 Mar 2002–16 Mar 2005

**Software Developer**

Software of Excellence International  
106 Bush Road, 0632 Auckland (New Zealand)  
<http://soeidental.com>

- Developing and writing C source code for Windows to meet specifications provided
- Discussing problems and solutions with other developers and managers as required to resolve coding issues
- Fixing bugs in source code
- Reviewing other developers' source code

**Business or sector** Information Technology

**EDUCATION AND TRAINING**

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10 Oct 2014–Present

**MA, Web Development for Linguistics**

Marburg University, Marburg (Germany)

1998–2001

**Bachelor's Degree (B.Sc) in Mathematics**

Massey University, Auckland

Mathematics, and some Computer Science

I also took a postgraduate course in Continuum Mechanics for interest, though this did not contribute to a qualification.

Oct 2014

**A Swift Kickstart (Swift tutorial)**

NSScotland

2006

**Oracle Tutorials**

CERN

Tuning

PL/SQL

Tools and Language Bindings

2006

**Finite State Machines in the JCOP Framework**

CERN

2006

**Making Presentations course**

CERN

1 Mar 2010–31 Aug 2013

**German A1, A2 and B1**

Ecole-club Business, Genève (Switzerland)

Four courses at various times from 2010 to 2013.

**PERSONAL SKILLS**

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**Mother tongue(s)**

English

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	C2	C2	C1	C1	C2
Diplôme approfondi de langue française (DALF) C1					
German	A2	B1	A2	A2	A2
Japanese	A2	A1	A1	A2	A2
B Bursary (New Zealand)					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
 Common European Framework of Reference for Languages

Communication skills

I have acquired good communication skills through my lifelong love of creative writing, including reading and reciting my writing to audiences. I attended WEA Creative Writing classes in Auckland, the Geneva Writers' Group in Geneva, several Geneva Writers' Conferences, and now the Vienna Speakers' Club, which is a branch of Toastmasters. I read a short story at the 13th International Conference on the Short Story in English, and regularly recite perform my poetry at open mic nights in Vienna and elsewhere in an effort to improve my public speaking skills.

At CERN I worked in an international environment for eight and a half years. While there I was a member of the improv club, and also attended a course on making presentations.

Computer skills

I am an enthusiastic computer user and programmer since childhood, with recent experience in Mac OS X, Windows, and Linux. I find it easy and enjoyable to learn new programming languages, and I make an effort to understand differences in paradigms and design patterns in new languages as well as just syntax.

While most of my professional experience involves Windows and Linux, in my spare time I have written Mac software since 1994. I attended the Apple Worldwide Developers Conference in 2004, NSScotland in 2014, and Linux.conf.au in 2015.

I have extensive experience with C#, C/C++, Objective-C, PHP, SQL and PL/SQL, AppleScript, and CTRL, and less-recent experience with Java, VBScript, HyperTalk, FORTRAN, assembly, and BASIC. I am also comfortable with LaTeX, XML, HTML and CSS. I am currently improving my knowledge of modern HTML, CSS, PHP and JavaScript as part of my Masters degree, and learning Swift, iOS and WatchKit development for fun.

Other skills

I am the winner of the New Zealand section of the Commonwealth Essay Competition 1991, and the Young Writers' section of the Katherine Mansfield Short Story Competition 1995. I attended WEA creative writing classes in New Zealand from 1994—1999, and Geneva Writers' Group workshops from 2006 to 2013, and the Geneva Writers' Conference from 2006 to present. I have had works published in Write Now magazine, the Offshoots compilation of the Geneva Writers' Group, and the book Penny Plain and Twopence Coloured. My winning entry in the Katherine Mansfield awards was read on National Radio in New Zealand. I read a short story at the 13th International Conference on the Short Story in English, and regularly perform at open mic nights in Vienna and elsewhere.

I also created the [Apronyms](#) web site, a repository for another form of creative wordplay, though I have not had the time to update it recently. The site was originally generated by a HyperCard stack, then written in C CGI, then rewritten in PHP with a MySQL database.

For a full year in 2008—2009 and 2012—2013, I published a piece every week on my [blog](#), initially restricting myself to writing but later releasing software, videos, diagrams and other creative projects each week. I have written several Mac OS X applications to help with writing prose and poetry, including one to sing using the built-in speech synthesis, and another to find unintentional haiku in text.