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The first computer I programmed on was our family Commodore VIC20 way back in 1984. So BASIC is what got me hooked onto programming and I have been at it ever since.

I enjoy solving problems and creating solutions that contribute to the environment they are used in. I guess there is no point creating something that no-one is going to use or that folks are not going to enjoy using.

Around 2007 I decided that I would try to expand my coding and design knowledge and that decision got me going in the domain-driven design and messaging space.

Technical Skills

Likes: c# canjs jquery domain-driven-design service-bus shuttle

Dislikes: asp.net-webforms wpf silverlight orm

Experience

Developer (contracting) – EQ Plus / Atos / Sebata   *Mar 2016 → Dec 2016*
webforms, entity-framework-6, sql-server, shuttle

Contracting through EQ Plus / Atos to Sebata. Contracting directly to Sebata from 1 August 2016.

Development on the billing module for an enterprise management system used by municipalities.

Reason for leaving: Since my emigration plans have not worked out as planned I am looking for a more stable environment that is also more suited to my skills.

Solutions Engineer – MultiChoice   *Feb 2013 → Feb 2016*
shuttle-esb, c#, asp.net-web-api, ember.js, node.js, sql-server

I am responsible for the development of the front-end framework that interacts with a webMethods back-end and have also fulfilled the role of team lead and stand-in scrum master. My team is one of several that forms part of a rather large project where around 300 folks are employed at any one time.

The project also makes use of my shuttle-esb open-source project:

- In the front-end framework we use it to co-ordinate cached data changes among the load-balanced application servers.

- The CRM team had tremendous issues with notifications to the webMethods back-end and their implementation would hang every-so-often. This CRM notification mechanism has been replaced by a shuttle-esb component and the problems have been eliminated.

- Shuttle has also been implemented in the customer self-service side of things as well as in an Integration Framework for a third-party system.

Reason for leaving: I am in the process of emigrating.

Developer – Oz Technologies   *Jul 2012 → Jan 2013*
php, mysql

I was initially hired to assist in the redevelopment of existing PHP systems in C#. However, the business need changed and I ended up working with PHP and MySql. Since these technologies are not my focus I decided to seek employment elsewhere.

Senior Consultant – Ovations Technologies   *Aug 2010 → Jun 2012*
c#, sql-server, domain-driven-design, shuttle-esb

I was placed at Zurich insurance where I had to maintain an existing document indexing system that I eventually redeveloped.

Some more information about that can be found under the section *An Example of Shuttle in a Production Environment* here: http://www.infoq.com/articles/Shuttle-Service-Bus

I have recently (early 2014) even assisted Ovations in providing guidance on implementing some new requirements on the system. This was the first implementation using my FOSS shuttle-esb and am proud to hear from the Ovations folks that it is extremely stable.

Developer (contracting) – iSolve   *Jul 2009 → May 2010*
c#, sql-server, html, jquery, nservicebus

I started out at insurance company Glenrand MIB (now owned by Aon) where I rewrote a premium calculation system that has a composite UI and made use of NServiceBus. The new system outperformed the existing system by many orders of magnitude and it went live after only 6 months of development with no more than 3 resources on the project at any one time.

I also helped out at Avis RAC while they were in a transitional phase w.r.t. resources.

Developer (contracting) – InSource   *Dec 2008 → Jun 2009*
c#, sql-server

I was placed at Barone, Budge and Dominick (now called BBD) where I assisted in the development of a finance system for Sasfin. This was quite a large team of around 20 folks and the project was already a year behind schedule. After my 6 month contract ended I was offered permanent employment but did not feel comfortable with the solution and decided not to accept.

Developer – Qualica Technologies   *May 2008 → Oct 2008*
c#, sybase, jquery, asp.net-mvc

Solution architecture and re-development of 1Time web application. The existing application was written in Perl with a Sybase database. This had to be re-developed in C#.

Reason for leaving: the environment was not for me.

Developer (contracting) – Lucid   *Feb 2008 → Apr 2008*
c#

Maintenance of existing solutions and ad-hoc additional functionality for First National Bank (Home Loans).

Reason for leaving: the environment was not for me.

Developer (contracting) – Rand Mutual Assurance   *Mar 2007 → Jan 2008*
c#, asp.net-ajax, wcsf, wssf

Re-write of claims system.

The actual development of the system never really got off the ground so I spent quite a bit of time on research and architecture of the proposed re-write.

Reason for leaving: the project never really got going (so mostly boredom).

Sabatical   *Jan 2003 → Feb 2007*
vb6, vb.net, c#

During this time I completed my MCSD for VB.NET and created a code generator that I intended to market as a product.

I also performed some ad-hoc contract work.

Developer (contracting) – Liberty Life   *Jan 2002 → Dec 2002*
vb6, asp-classic

After I returned from Saudi Arabia I was contacted by Liberty and asked to contract with them again. This time around I developed various smaller systems including an auto-update mechanism.

Reason for leaving: I needed some time off.

Developer (contracting) – Algosaibi Information Systems (Saudi Arabia)   *Jun 2001 → Nov 2001*
vb6, ms-access-2000, excel-vba

Redeveloped a budgeting system.

The existing system was a huge Excel spreadsheet. This spreadsheet was used to perform budgeting and determine royalties. There was a previous attempt to re-write it in PowerBuilder that took a year and eventually was abandoned. I managed to write a successful system within 4 months. After that I also kicked-off the writing of an export managed system.

Reason for leaving: end of contract / culture shock :)

Developer (contracting) – Liberty Life   *Oct 1998 → May 2001*
vb6, rational-rose, sqlbase, sql-server, iis

- Coding
- Development of Component-based Application Architecture
- Mentoring of Liberty staff

Reason for leaving: opportunity to work in Saudi Arabia

Developer (contracting) – Eikon Software   *Jul 1998 → Sep 1998*
vb5, rational-rose, sql-server

I was placed at Liberty Life and temporarily at Pretoria Portland Cement.

The Liberty project requirements were not yet in place when we arrived and the entire project team was asked to be placed elsewhere resulting in me maintaining a reporting system and a chemical analysis simulator.

Reason for leaving: I started directly contracting to Liberty Life

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Developer (contracting) – QData Consulting   *Nov 1996 → Jul 1998*
vb5, ms-access, vb4

I was placed within QDC (QPlan Division) to continue my work on QPlan (maintenance management system). Just before I left I did a short stint at Nedcor / American Express.

Reason for leaving: was looking out for something new.

Developer (contracting) – TopData Consulting   *Jul 1996 → Nov 1996*
vb4, msaccess, mapi

I was placed at the South African Forestry Company Limited where I maintained an Access 2.0 application along with implementing a MAPI application.

Reason for leaving: somewhat of a bait and switch scenario and I ended up not working on what was agreed upon.

Developer (contracting) – QData Consulting   *Jul 1995 → Jul 1996*
vb3, vb4, msaccess, regis, crystal-reports

Initially I worked at Glen Agricultural Institute (in Bloemfontein) on a ground preservation system and then moved over to Johannesburg to work on QPlan for QData Consulting.

Reason for leaving: this was purely a rate disagreement.

General – Netwise   *Mar 1994 → Jun 1995*
novell, lantastic, windows-3.1, windows-for-workgroups, msoffice, wordperfect, lotus

This was my first job and did not include actual professional software development.

I was involved with network installation, sales (software and hardware), and general IT support.

Reason for leaving: opportunity to actually get into software development.

Education

N.Dip: Computer Data Processing – Technikon OFS   *1991 → 1993*
cobol, turbo-pascal, information-systems, database-design, project-management

The course was focused on structured programming using COBOL and together with information systems comprised the major subjects.

I managed to complete 6 out of the 12 subjects with distinction.

Certifications

Microsoft Certified Solution Developer .NET (MCP ID: 1090158)   *2002 → 2003*
vb.net, sql-server, web-services

Microsoft Certified Solution Developer VB 6 (MCP ID: 1090158)   *1999 → 2000*
vb6, sql-server

Microsoft Certified Solution Developer VB 5 (MCP ID: 1090158)   *1998 → 1999*
vb5, sql-server

Projects & Interests

Stack Overflow – http://stackoverflow.com/users/324157/eben-roux   *2010/04 → Current*
Written 367 answers. Active in asp.net, c#, domain-driven-design, architecture, asp.net-mvc and 7 other tags.

Shuttle.Core.Host – https://github.com/Shuttle/Shuttle.Core.Host   *Nov 2014 → Current*
c#, windows-services

A generic host that can run as a console application or be installed as a Windows service.

Owner

Shuttle.Esb – https://github.com/Shuttle/Shuttle.Esb
c#, servicebus

Oct 2014 → Current

This is the core shuttle-esb repository and the assembly is always referenced.

Owner

Others

Background – Background

- Strong problem-solving skills
- Object-Oriented Modeling
- Domain-Driven Design
- Software Design Patterns
- Patterns of Enterprise Application Architecture
- Service-Oriented Architecture
- Event-Driven Architecture
- Enterprise Service Bus
- Database Design & Querying
- Command / Query Responsibility Segregation (CQRS)

Readings

Patterns of Enterprise Application Architecture – Martin Fowler – http://www.amazon.com/Patterns-Enterprise-Application-Architecture-Martin/dp/0321127420%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dstackoverfl08-20%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3D0321127420

Applying Domain-Driven Design and Patterns: With Examples in C# and .NET – Jimmy Nilsson – http://www.amazon.com/Applying-Domain-Driven-Design-Patterns-Examples/dp/0321268202%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dstackoverfl08-20%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3D0321268202

Implementing Domain-Driven Design – Vaughn Vernon – http://www.amazon.com/Implementing-Domain-Driven-Design-Vaughn-Vernon/dp/0321834577%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dstackoverfl08-20%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3D0321834577

Domain-Driven Design: Tackling Complexity in the Heart of Software – Eric Evans – http://www.amazon.com/Domain-Driven-Design-Tackling-Complexity-Software/dp/0321125215%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dstackoverfl08-20%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3D0321125215

Refactoring: Improving the Design of Existing Code – Martin Fowler, Kent Beck, John Brant, William Opdyke, Don Roberts – http://www.amazon.com/Refactoring-Improving-Design-Existing-Code/dp/0201485672%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dstackoverfl08-20%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3D0201485672

Test Driven Development: By Example – Kent Beck – http://www.amazon.com/Test-Driven-Development-By-Example/dp/0321146530%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dstackoverfl08-20%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3D0321146530

Tools

First Computer:	Commodore VIC 20
Favorite Editor:	Visual Studio