

*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  
webforms, entity-framework-6, sql-server, shuttle

Mar 2016 → Current

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  
shuttle-esb, c#, asp.net-web-api, ember.js, node.js, sql-server

Feb 2013 → Feb 2016

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 This CRM notification mechanism has been replaced by a shuttle-esb component and the problems have been eliminated.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  
php, mysql

Jul 2012 → Jan 2013

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  
c#, sql-server, domain-driven-design, shuttle-esb

Aug 2010 → Jun 2012

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**  
c#, sql-server, html, jquery, nservicebus

Jul 2009 → May 2010

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**  
c#, sql-server

Dec 2008 → Jun 2009

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**  
c#, sybase, jquery, asp.net-mvc

May 2008 → Oct 2008

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**  
c#

Feb 2008 → Apr 2008

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**  
c#, asp.net-ajax, wscf, wssf

Mar 2007 → Jan 2008

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**  
vb6, vb.net, c#

Jan 2003 → Feb 2007

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**  
vb6, asp-classic

Jan 2002 → Dec 2002

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)**  
vb6, ms-access-2000, excel-vba

Jun 2001 → Nov 2001

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**  
vb6, rational-rose, sqlbase, sql-server, iis

Oct 1998 → May 2001

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

Reason for leaving: opportunity to work in Saudi Arabia

	<b>Developer (contracting) – Eikon Software</b> vb5, rational-rose, sql-server <div>Jul 1998 → Sep 1998</div> <p>I was placed at Liberty Life and temporarily at Pretoria Portland Cement.</p> <p>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.</p> <p>Reason for leaving: I started directly contracting to Liberty Life</p>
	<b>Developer (contracting) – QData Consulting</b> vb5, ms-access, vb4 <div>Nov 1996 → Jul 1998</div> <p>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.</p> <p>Reason for leaving: was looking out for something new.</p>
	<b>Developer (contracting) – TopData Consulting</b> vb4, msaccess, mapi <div>Jul 1996 → Nov 1996</div> <p>I was placed at the South African Forestry Company Limited where I maintained an Access 2.0 application along with implementing a MAPI application.</p> <p>Reason for leaving: somewhat of a bait and switch scenario and I ended up not working on what was agreed upon.</p>
	<b>Developer (contracting) – QData Consulting</b> vb3, vb4, msaccess, regis, crystal-reports <div>Jul 1995 → Jul 1996</div> <p>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.</p> <p>Reason for leaving: this was purely a rate disagreement.</p>
	<b>General – Netwise</b> novell, lantastic, windows-3.1, windows-for-workgroups, msoffice, wordperfect, lotus <div>Mar 1994 → Jun 1995</div> <p>This was my first job and did not include actual professional software development.</p> <p>I was involved with network installation, sales (software and hardware), and general IT support.</p> <p>Reason for leaving: opportunity to actually get into software development.</p>
Education	<b>N.Dip: Computer Data Processing – Technikon OFS</b> cobol, turbo-pascal, information-systems, database-design, project-management <div>1991 → 1993</div> <p>The course was focused on structured programming using COBOL and together with information systems comprised the major subjects.</p> <p>I managed to complete 6 out of the 12 subjects with distinction.</p>
Certifications	<b>Microsoft Certified Solution Developer .NET (MCP ID: 1090158)</b> vb.net, sql-server, web-services <div>2002 → 2003</div>
	<b>Microsoft Certified Solution Developer VB 6 (MCP ID: 1090158)</b> vb6, sql-server <div>1999 → 2000</div>
	<b>Microsoft Certified Solution Developer VB 5 (MCP ID: 1090158)</b> vb5, sql-server <div>1998 → 1999</div>
Projects & Interests	<b>Stack Overflow</b> – <a href="http://stackoverflow.com/users/324157/eben-roux">http://stackoverflow.com/users/324157/eben-roux</a> <div>2010/04 → Current</div> <p>Written 367 answers. Active in asp.net, c#, domain-driven-design, architecture, asp.net-mvc and 7 other tags.</p>
	<b>Shuttle.Core.Host</b> – <a href="https://github.com/Shuttle/Shuttle.Core.Host">https://github.com/Shuttle/Shuttle.Core.Host</a> <div>Nov 2014 → Current</div> <p>c#, windows-services</p> <p>A generic host that can run as a console application or be installed as a Windows service.</p> <p>Owner</p>

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

Owner

## Public Artifacts

**Shuttle Service Bus - Presentation — InfoQ** – <http://www.infoq.com/presentations/Shuttle-Service-Bus>

Eben Roux introduces messaging using a service bus, explaining the differences between WCF, web services and a service bus, and demos how Shuttle handles messages.

**Getting Started with Shuttle Service Bus — InfoQ** – <http://www.infoq.com/articles/Shuttle-Service-Bus>

Shuttle Service Bus is a .NET open source framework providing distribution support for command and event messaging useful in building an EDA system. This article introduces Shuttle and a case study...

## 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-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