

Adriaan Prinsloo

Professional Profile

Software engineer and solution architect with 12 years’ experience in diverse software engineering and systems development fields with a passion for solving complex business problems with pragmatic technical solutions, and a proven track record of successfully deployed systems.



Adriaan Prinsloo

PERSONAL DETAILS

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| Name | Adriaan Prinsloo |
| Position: | Consultant |
| Industry Experience: | Since 2000 |
| Professional Education: | BEng (Electronic) University of Pretoria 1999 |

KEY PROFESSIONAL COMPETENCIES

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| --- | --- |
| Project Direction | System Analysis |
| Technical Management | System Integration |
| Technical Team Leadership | System Development |
| Development Management | System Design |
| Quality Management | System Evaluation |
| Implementation Management | Change Management |
| People Management | Design Architecture |
| Team Building | Configuration Management |
| Business Process Re-engineering | System Implementation |
| Business Improvement | Software Development |
| Application Outsourcing | Database Administration |
| Strategic Consulting | Data Migration |
| Strategic Planning | Database Design |

KEY TECHNICAL COMPETENCIES

Rating Scale

1. In depth expert knowledge and a high level of proficiency – able to provide specialist advice, insight or technical expertise
2. Comprehensive understanding, knowledge and proficiency
3. Strong working knowledge and understanding
4. Sound knowledge, some practical experience
5. Trained, low level experience

| Platforms/Environments | Rating |
| --- | --- |
| Windows Server 2003 | 5 |
| Windows 7 | 4 |
| TCP/IP | 2 |
| Linux | 4 |
| VMWare | 3 |

| Programming Languages | Rating |
| --- | --- |
| C# | 5 |
| C++ | 4 |
| Visual C++ | 4 |
| Visual Basic | 3 |
| Pascal | 3 |
| Basic | 3 |
| Java | 2 |
| C | 4 |

| Databases | Rating |
| --- | --- |
| SQL Server | 5 |
| DB2 | 2 |
| PostgreSQL | 4 |
| MS Access | 5 |
| MySQL | 4 |
| Oracle PL/SQL | 4 |
| Oracle Spatial | 4 |

| Multimedia | Rating |
| --- | --- |
| Macromedia Flash | 2 |
| Adobe PhotoShop | 2 |
| CorelDraw | 4 |

| Development Environments | Rating |
| --- | --- |
| Visual Studio | 5 |
| SQL Management Studio | 5 |

| Web | Rating |
| --- | --- |
| HTML | 4 |
| ASP .Net | 5 |
| ASP | 2 |
| JavaScript | 3 |
| XML | 5 |
| XSL | 4 |
| Cascading Style Sheets (CSS) | 3 |
| Internet Information Server (IIS) | 4 |

| PC & Desktop Products | Rating |
| --- | --- |
| Google Docs | 4 |
| Microsoft Office Suite | 4 |
| Microsoft Visio | 3 |
| Visual Source Safe | 4 |
| Subversion | 5 |

AREAS OF EXPERTISE

|  |  |
| --- | --- |
| Spatial Information Systems | Object Oriented Development |
| Financial Systems | Business Process Modelling |
| Asset Management | Data Migration |
| Software Development | Systems Migration |
| Workflow Solutions | Web Development |
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MAJOR INDUSTRY EXPERIENCE

|  |  |
| --- | --- |
| Telecommunication | Finance and Insurance |
| Transport and Logistics | Travel |
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PROFESSIONAL TRAINING

|  |  |
| --- | --- |
| BEng (Electronic) University of Pretoria 1999  Certified Scrum Master  Scrum Alliance November 2009 |  |
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EMPLOYMENT HISTORY

Legend

Dialog Assignments

Other Employers

[Flight Centre](#_Toc336587787)

[Team Lead and Software Engineer Mar 2012 - Sep 2012](#_Toc336587788)

[Elzaris Technologies](#_Toc336587789)

[Solution Architect Apr 2010 - Feb 2012](#_Toc336587790)

[Solution Architect and System Analyst Jul 2009 - Mar 2010](#_Toc336587791)

[Technical Lead Nov 2008 - Jun 2009](#_Toc336587792)

[Senior Software Engineer Jan 2006 - Oct 2008](#_Toc336587793)

[Senior Software Engineer Apr 2004 - Dec 2005](#_Toc336587794)

[Skye Advanced Technologies](#_Toc336587795)

[Senior Software Engineer Dec 1999 - Mar 2004](#_Toc336587796)

[Dr Pieter Rademeyer](#_Toc336587797)

[Contract Software Engineer Jun 1998 - Oct 1999](#_Toc336587798)

DETAILS OF DIALOG ASSIGNMENTS

Flight Centre

Team Lead and Software Engineer Mar 2012 - Sep 2012

| Duties | Skills Employed |
| --- | --- |
| Team lead for team of 6  Design and implementation of Quick Cash backend financial system  Deployment and release of Quick Cash financial system  Guiding a team of developers in implementation and problem solving | MS SQL 2008 Database design; Financial system design; System implementation using C# 4.0 with MVC 3, EF 4.1 and JQuery. |

Client Background

Flight Centre is a travel agency with a global presence. They interact with multiple booking systems and facilitate a multitude of different travel-related reservations for their customers in multiple countries. They operate both in retail and in a corporate environment.

Project Background

Flight Centre is in the process of renewing their internal document generation and financial integration systems. Their current systems are distributed, disconnected and built using legacy technologies. They are in the process of renewing the systems that service their corporate clients, based on the system architecture that was used to develop the system for the retail side of their business. The Quick Cash project is financial middleware that manages the transactional interaction between the Flight Centre, their suppliers and clients. The solution was developed using a Microsoft stack, with SQL 2008, Entity Framework 4.1, MVC 3 and a rich JQuery based UI framework.

Assignment Details

Adriaan was the technical and team lead of the Quick Cash system. Adriaan was responsible for the functional design and development of the Database and backend systems for the financial system, and interacted with the other team leads on the parallel documentation project to establish interface definitions and dependency management.

PREVIOUS PROFESSIONAL EXPERIENCE

Elzaris Technologies

Solution Architect Apr 2010 - Feb 2012

Adriaan was the lead solution architect and systems designer on the re-engineering of the SA Home Loans financial backend systems. The systems manage the financial aspect of the loan book and ancillary financial products that are offered to the SA Home Loans client base. The new system was developed in T-SQL, in a MS SQL 2005 server environment. The design focused on the generic application of financial processes and instruments on an account, given the structure and configuration of a product. The system manages month-end interest accrual, expectancies, debit orders, financial adjustments (discounts, fixed payments etc.), arrears, special purpose vehicle management for securitization purposes, general ledger integrations and various other backend processes required.

Solution Architect and System Analyst Jul 2009 - Mar 2010

Adriaan consulted to Ghana Home loans as a technical expert for a Re-Architecture project. They had to choose a solution partner for their mortgage loan origination and management systems. Adriaan and his team performed a functional requirements analysis and business process modelling exercise. The requirements were agreed with the client. Given this outcome, four short listed solution partners were accessed, measured and scored against the prioritised features list. The output from this process was a detailed report with a motivation for a suggested solution.

Technical Lead Nov 2008 - Jun 2009

Adriaan was the lead developer on a complex data migration project for SA Home Loans using T-SQL. Our team achieved the migration of a flat, unmanaged dataset to a new normalized data structure. Data was migrated through a number of intelligent validation filters and normalization methods in order to populate the new structures. Data that could not be automatically parsed successfully had to be managed through a parallel system designed to integrate the erroneous data manually as the business required. The migration encompassed SA Home Loans’ complete loan and client book.

Senior Software Engineer Jan 2006 - Oct 2008

Adriaan was a senior software engineer in the team that designed and implemented a 4 tier domain-model enterprise system in conjunction with our clients SA Home Loans. The system incorporated a Model-View-Presenter (MVP) ASP.Net user interface, supported by a business domain library that persisted domain objects to a central database via Castle ActiveRecord, a wrapper for the NHibernate Object Relational Mapping library. The business processes were managed by a multi-threaded workflow engine that was designed and developed for SA Home Loans by Elzaris Technologies.

Senior Software Engineer Apr 2004 - Dec 2005

The team Adriaan worked in designed, developed and sold a database documentation software tool for the MS SQL market. The application was written in C# .net, supports MS SQL 7, 2000, 2005, 2008 and could be installed on MS operating systems from 95 onward. It was marketed and sold via the internet predominantly to the US and European market.

Skye Advanced Technologies

Senior Software Engineer Dec 1999 - Mar 2004

Adriaan successfully designed and developed a GIS mapping engine using COM/ATL and windows GDI. The engine utilized various mapping protocols, rendering and projections techniques. The map layer data types included raster, vector, image and demographic. He later ported the engine implementation to the .Net framework using C# and GDI+. The mapping engine was used in a telecommunications system used to plan and manage broadband wireless networks.

Dr Pieter Rademeyer

Contract Software Engineer Jun 1998 - Oct 1999

Adriaan developed and deployed the fuel management and control system that utilized passive tag technology to control and log fuel pump operations and truck movements. The project supplied desktop applications for system configuration, reporting and exporting data. The project was developed using C++.

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