

## BACKGROUND



### ABOUT

I am an experienced software engineer with over 25 years in the industry. For approximately 20 of those years, my career has focused on the Microsoft .NET platform, with expertise in C# and ASP.NET as core skills. My primary strength lies in analyzing and architecting software solutions that precisely meet client expectations while delivering an exceptional end-user experience. I possess broad expertise encompassing a range of programming languages, quality control, and application debugging. Moreover, my skills span meticulous requirements analysis, system design, and technical writing, ensuring comprehensive coverage of all software engineering aspects. Furthermore, I am deeply invested in automation and integration platforms and tools. I constantly seek innovative ways to enhance efficiency and effectiveness in software engineering and quality control processes. Staying at the forefront of technological advancements allows me to integrate cutting-edge approaches into my software development approach, minimizing manual effort risks.



### WORK EXPERIENCE

#### Senior Software Engineer, LexisNexis South Africa

Sep, 2022 - Sep, 2023 ⌚ 1 year

Contributed to the development of Lexis+®, our flagship product, during its transition to a distributed architecture comprising microservices and microfrontends. Played a key role in implementing frontends primarily using Angular, occasionally incorporating React, alongside .NET Framework or .NET Core BFFs (Backends for Frontends). These components interfaced with a cloud-based network of microservices and pre-existing ASP.NET MVC applications, supporting seamless system integration and scalability.

- Getting advanced Angular experience
- Introduced to microfrontend architecture
- Advanced use of huge numbers of .NET APIs
- Practical Microservices Experience
- Earned Security Journey: White Belt

#### Senior Developer, XI Systems

Aug, 2018 - Sep, 2023 ⌚ 5 years 1 month

Contributed as a senior developer to the web version of a contractor project management system for the South African National Roads Agency (SANRAL), developed using ASP.NET MVC. Assisted in efforts to reduce an 18GB Git repo by eliminating numerous non-source files like PDF documents and software binaries. Also helped solve various Git problems that the other developers could not solve.

- Design and oversight of modular areas in a large ASP.NET monolith.
- Experience in Oracle 12c
- Solved several Git problems DevOps and other engineers were not able to

- Assist with reducing 20GB Git repo

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**Freelance Developer**, Brady Kelly

Apr, 2016 - Jun, 2018 ⌚ 2 years 2 months

Involved in two notable projects. Firstly, facilitated the Tasked with developing a WCF client for one API, I managed complex data transfer between the two, necessitating intricate mapping between disparate data structures and flows. Secondly, contributed to the backend development of an online cashless betting system tailored for golfers. While the service has since evolved, I played a pivotal role in implementing its initial availability. The system, known as PayCaddy, can be accessed at <https://www.paycaddy.co.za>.

- Created integration between GoCanvas mobile forms API and Private Property listings API.
- GoCanvas API (<https://www.gocanvas.com>)
- Private Property API (<https://www.privateproperty.co.za>)
- Extensive use of Windows Communication Foundation (WCF)
- No project repo accessible due to NDA
- Designed complex mapping system to convert collections of properties to realty listing objects

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**Contracting Software Developer**, Quality Assured I.T. Solutions

Aug, 2015 - Apr, 2016 ⌚ 8 months

Engaged in maintenance work on a localised fork of the Marval ITSM (IT Service Management) service desk application in use at various companies in South Africa and the main system in the rest of the world. The system was developed in C# and ASP.NET WebForms.

- Experience with Marval ITSM

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**Senior C# Developer**, G4S Secure Solutions (Africa)

Jun, 2013 - Jul, 2014 ⌚ 1 year 1 month

Contributed to a significant project aimed at migrating a Delphi system, utilized by thousands of users, to the .NET framework. Executed the migration in stages, ensuring uninterrupted service throughout the process.

- Delphi to .NET migration
- Prism MVVM Framework

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**Owner**, Erisia Web Development

Jul, 2009 - May, 2013 ⌚ 3 years 10 months

I was a solutions architect and developer, deeply passionate about my work. I developed web and desktop applications primarily for small businesses, utilizing ASP.NET, MVC, C#, and SQL Server. Additionally, I had regular involvement in projects for a client working with various mining houses, which provided me with valuable exposure to mining information and control systems.

- Learning Management Systems
- Proficiency testing applications for tradesmen miners

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**Developer, Chase Software**

Sep, 2006 - Jul, 2009 ⌚ 2 years 10 months

I performed development and maintenance tasks on an advertising management system, which was utilized by many leading ad agencies in South Africa. The system was built using SQL Server 2005, ASP.NET, and ExtJS.

- extJS UI Framework
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**Developer, FNB Homeloans**

Dec, 2004 - Dec, 2006 ⌚ 2 years

- Lead for first national, online realty listing system in South Africa: DealTRak
  - Lead for first national, online mortgage system: BondTRak
  - Single home loan application submitted to BondTrak sent to large group of banks and tracked.
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**Developer, I-Com IT**

Dec, 2003 - Dec, 2005 ⌚ 2 years

- Senior for second national, online realty listing system for Jigsaw Group of realy franchisors
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**Developer, Comcorp Online**

Dec, 2000 - Dec, 2003 ⌚ 3 years

Design and development of a national scale client-server real estate listing and management system, I designed and coded it in VB6, and mentored several juniors into performing the same duties as me in the system. Technical skills included SQL Server design and admin (as far back as v7).

- VB6 client server application
  - Upgrade Access database to SQL Server 7
  - ASP Classic
  - First client requests to web server from a client app - before Web APIs
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**Consulting Specialist, Siemens**

Dec, 1997 - Dec, 1999 ⌚ 2 years

- Deep understanding of how major SAP modules work together
  - Learned much about ERP systems
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**Technician, SA Air Force**

Dec, 1988 - Dec, 1996 ⌚ 8 years

Telecommunications technician with roles as radio operator, senior telecommunicator, LAN technician

- Passed radio technician trade test after 3 years
- Worked with cutting edge communications networks and software
- Military training strenghtened my character



## SKILLS

Analytical Skills

Microservices

Customer Requirements

JavaScript

Git

Agile Methodologies

Cloud Applications

CSS

Software Architecture

Programming

Microsoft Azure

DevOps

Angular

Scrum

SQL

C#

Software Design

ASP.NET MVC

Web Services

Middleware

Attention to Detail

Writing

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Front-End Development

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Cloud Development

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WPF

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.NET

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Database Design

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Back-End Web Development

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Debugging

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Amazon Web Services (AWS)

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Requirements Analysis

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HTML

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Coding Standards

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SQL Server

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React

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ASP.NET

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Communication

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Microsoft SQL Server

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LINQ

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Python (Programming Language)



## EDUCATION

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**Computer Science, Information Systems, Databases, Diploma Datametrics,** University of South Africa/Universiteit van Suid-Afrika

Mar, 1994 - Apr, 1997

Computer Science

Relational Database Theory

Algorithms and Data Structures

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**Technical, Matric,** Norkem Park High

Dec, 1983 - Dec, 1987

Maths

Science

English

Afrikaans

Electrician Work

Technical Drawing



## CERTIFICATES

**SAP ABAP/4 Development Workbench, SAP**

Issued on:

**Project Management: The Basics for Success, Coursera Verified Certificates**

Issued on:

**C# and .NET, TestDome**

Issued on:

**React.js Essential Training, LinkedIn**

Issued on:

**Azure Essential Training for Developers, LinkedIn**

Issued on:

**Security Journey: White Belt, Security Journey**

Issued on:



## PUBLICATIONS

**A jQuery UI-Based Date Picker for ASP.NET MVC 5 , OnCodeGuru**

Published on: Jan 01, 2018

**Why shifting code QA left, all the way to the software engineer, is valuable to the software production process , LinkedIn**

Published on: undefined

Reasons to apply more static code analysis tools on developers machines, integrated into the IDE, to block code smells before the CI/CD pipeline finds them



## INTERESTS