

## PERSONAL DETAILS

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Location	92 Victoria Rise, Carrickfergus, County Antrim, Northern Ireland, BT38 7UR		



## PERSONAL PROFILE

I am a seasoned software developer with a wealth of experience spanning 13 years. As a senior developer for the past 7 years, I bring a robust skill set to the table, showcasing expertise in object-oriented programming, design patterns, and proficiency in languages such as C#, Delphi, HTML, CSS, and JavaScript as well as PWA development using Ionic with React.

With a strong foundation in cloud computing and virtualization technologies like Azure and Docker, I have significantly contributed to the development of diverse enterprise-level applications, ranging from EDI integration into MRP systems to solutions for warehousing, logistics, health and fitness, and educational institutions.

Detail-oriented and organized, I excel in agile software development methodologies, ensuring high-quality deliverables within tight deadlines. An effective communicator, I seamlessly translate technical concepts for non-technical stakeholders and have a passion for continuous learning and adapting to new technologies.

Beyond technical prowess, my commitment to mentoring junior developers and collaborating with cross-functional teams underscores a dedication to delivering software that aligns with business objectives and user needs.

### Skills:

- Strong expertise in object-oriented programming (OOP) and design patterns
- In-depth knowledge of multiple programming languages, including C#, HTML, CSS, Delphi
- Front-end development using MVC, JavaScript/TypeScript, jQuery, React.
- Experience with cloud computing and virtualization technologies such as Azure and Docker
- Proficient in agile software development methodologies, including Scrum and Kanban
- Good understanding of software testing and quality assurance techniques
- Excellent problem-solving skills and ability to work under tight deadlines.
- Experience in DevOps (Azure DevOps and Jira) platforms and Version control using Git on Azure DevOps and GitHub
- CI/CD using Jenkins and TeamCity
- MS SQL Server & MySQL
- Document formats: JSON & XML as well as EDIFACT, X12 and VDA document formats.

### Experience:

- 13 years of experience as a software developer, with the last 7 years is a leadership position.
- Contributed to the development of multiple enterprise-level applications, including EDI (EDIFACT, VDA & X12) integration into MRP systems, Integrations for warehousing and logistics applications, online solutions for health and fitness as well as educational institutions, HR assessment software.
- Mentored junior developers and provided technical guidance to various development teams.
- Collaborated with product managers, designers, and other stakeholders to ensure software development aligns with business goals and customer needs.

## EMPLOYMENT DETAILS

<b>Head of IT / Software Development</b>	<b>Mindmill (HR) Software Ltd</b>
October 2020 - Present	Belfast-based HR Software company specializing in psychometric testing and screening
<p>As Head of IT, I am responsible for the entire technology infrastructure of the organization. This includes maintaining legacy applications, developing new solutions and maintaining all related infrastructure.</p> <p>I am actively involved with development and manage two teams (India and South Africa) on projects. In addition to this, I am responsible for testing, security and upgrading of all systems within the company.</p> <p>We use mainly Microsoft technologies with back-ends written in C# as well as REST APIs and SOAP services. I develop and support applications ranging from Delphi back-ends through .Net 4.6 to .Net 8.0. Databases are mainly MS SQL server databases. Front-end development implements mainly MVC and includes a legacy application using ASP.Net and a PWA using Ionic with React.</p>	

<b>Technical Lead</b>	<b>iOCO Tech</b>
August 2019 – September 2020	Cape Town-based software consultancy firm
<p>As a technical lead I consulted on a variety of projects. I worked with educational institutions in streamlining their application process and integrating with Microsoft Dynamics. I consulted with insurance firms on a range of projects in their compliance departments. We integrated existing KYC software with financial software. We were responsible for creating due diligence rules engines for use by all departments and independent contractors.</p> <p>Since I was consulting at several companies, I gained experience in a wide variety of technologies both as developer and as an architect. Designing solutions mainly on Azure with some on-premises applications. This included everything from writing Windows Services to creating Mobile Applications using Angular and Capacitor.</p>	

<b>Senior Software Developer</b>	<b>iOCO Tech</b>
October 2016 – August 2019	Cape Town-based software consultancy firm
<p>I was a senior developer working on-site for fitness club in the Member Engagement Team. We were the member engagement team responsible for the Online Sales platform, the membership portal and the back-end interface with our Java membership system using .Net technology. I was also responsible for all CI/CD in the team using Jenkins and TeamCity</p> <p>I designed and developed member-facing applications that included online application forms integrating with membership software and the main membership engagement portal. Mainly .Net MVC with a C# back-end and MVC front-end with extensive use of Knockout and TypeScript.</p>	

<b>Senior Software Developer</b>	<b>Tigers Ltd</b>
November 2015 – September 2016	South African branch of Hong Kong-based logistics company
<p>I was a senior developer tasked with developing client specific integration modules using .Net WCF technology. Each module would enable a client to integrate to our warehouse management system from their own data structure. I developed solutions that converted data ranging from CSV to EDI (X12) formats. I was responsible for code reviews and mentoring of junior developers.</p> <p>I developed integration software that could be plugged into our central processing hub. Each client would have several smaller functions mainly WCF services that could receive files or data in several ways, convert the data to our WHM formats and import the data.</p>	

<b>Software Engineer</b>	<b>Solutech Systems</b>
April 2014 – November 2015	Port Elizabeth-based EDI processing company for the South African automotive industry
<p>I was responsible for our main tenant portal. I supported and enhanced the original PHP portal. I was also responsible for the new portal using .Net and MVC. I also created new integrations for new clients by converting individual client implementations of EDI documents (VDA and EDIFACT) to standardized documents used by Car Manufacturers. I also helped with integration of the documents into Syspro ERP and MRP modules.</p>	

<b>Software Engineer</b>	<b>Systems Services</b>
Oct 2011 – Mar 2014	Port Elizabeth-based software consultancy company
<p>I oversaw designing and developing client solutions using .Net technologies. I was part of a small team where each developer would oversee the whole development process from requirements to support. I developed marketing web portal, both .Net and WordPress websites and my favourite project. I developed a factory display dashboard that would link to SCADA systems on four machines and monitored production.</p> <p>I created a variety of applications ranging from WordPress Websites, Static sites to SCADA dashboards connecting directly to OPC servers. I worked mainly with C#, PHP, HTML, CSS, and JavaScript.</p>	

<b>Software Developer</b>	<b>Impumelelo Computers</b>
Feb 2011 – October 2011	Port Elizabeth-based subcontractor working on financial systems for the Cacadu District Municipality
<p>I supported solution on an APPX system which run the entire financial solution for the municipality. I also developed new Java-based front ends to modernise the interfaces. All interfaces were terminal-based with newer front ends deployed where the need was greatest.</p>	

## EDUCATION DETAILS

### SECONDARY EDUCATION:

Institution	D.F Malherbe High School
Highest Grade Passed	National Senior Certificate
Year	1995
Subjects	English, Afrikaans, Mathematics, Science, Biology, Geography, Computer Science

### TERTIARY EDUCATION:

Institution	University of South Africa
Qualification	B.Sc (Software Engineering)
Year	Expected completion date – December 2025

## CERTIFICATIONS AND TRAINING

Certification	Microsoft Certified Systems Engineer
Year	2008

Certification	Microsoft Certified Database Administrator
Year	2008

Certification	Microsoft Office Specialist
Year	2009