



ICS DreamTeam Member No 2179 CV

Profile:

- His Management tool set - Strategic Planning, Strategic Risk Management, Strategy Implementation, Strategy Process, Balanced Scorecards, Performance Measurement/Improvement, Theory of Constraints and Six Sigma.
- His I.T. tool set - Visual Studio.Net and Business Intelligence Development Studio.Net with VB.net, ASP.net, C# and SQL Server.
- He is particularly interested in pioneering strategic / tactical management systems.
- He dabbles in developing new interactive games/puzzles.
- Over the last 15 years, he has consulted for large multinationals developing complex database applications.
- His projects often entail the complete system development lifecycle, architecture, project management, and business process analysis, management consulting and mentoring.

Technical Skills Summary:

Skill Set	Year	Project
C#, VB.Net &	5+	Web based media sales management system selling advertising space. <ul style="list-style-type: none"> • ASP.Net Development Customized online shopping cart with PayPal credit card processing. • Order tracking system • Interactive games/puzzles. • KPI's, balanced scorecards, performance improvement & business intelligence. • Global data collection, consolidation and reporting. • Converting flat legacy systems into n-tier, object orientated systems. • Converting client-server applications into web applications. • Data driven, interactive web sites using VB, C#, ASP, AJAX, BIDS, XML & UML
SQL Server Architecture & Development	10+	Extensive application database development for both client server and web based systems. Stored procedure business layers. <ul style="list-style-type: none"> • Database & data warehouse architecture. • Normalizing & optimization. • Database reporting & data visualization with SQL Server Reporting Services. • Task & workflow automation with SQL Server Integration Services & SQL Agent.
Business Intelligence, MIS & Performance	10+	MIS & Business Intelligence architecture & development



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Improvement		<p>Tools to perform the following types of analysis: Statistical, Share, Patterns, Trend, Forecasting, Pareto, Value at Risk, Strategic Risk, GAP, Rates of Change, Effects of Change, Profit, Contribution, Retention, Focus, Buying Patterns, Product Baskets, Clusters, Workflow, Bottlenecks, etc.</p> <ul style="list-style-type: none"> • Business process analysis, process automation and re-engineering. • KPI's, Dashboards & Balanced Scorecards. • SQL Server BIDS, SSAS, SSIS, SSRS, Data Warehousing, ETL, Data Mining & SQL Agent.
Access, VB & VBA Development	10+	<p>Initial public offering (IPO) syndicate management system</p> <ul style="list-style-type: none"> • SFA interface/compliance reporting system. • Credit risk & partner reciprocity analysis system. • Ocean freight procurement & logistics system. • Finished goods inventory forecasting system. • Procurement supplier, contracts, service level agreement management system. • SAP role mapping / project coordination system.
Outlook, Excel, Word, Project VBA Development	10+	<p>Process Automation Automated customer emailing Automated customer reporting in Word.</p> <ul style="list-style-type: none"> • Convert Excel into Access front-end, SQL Server back-end applications. • Microsoft Balance Scorecard Solution Accelerator. • Excel KPI entry and aggregation automation. • Complex data analysis and business modeling with Excel's Data Tables, Goal Seek, Solver, Scenario Manager, Formulas, VBA, etc. for Forecasting, Prototyping, Simulations, Optimization, Stats, etc
I.T. Project Management	8+	<p>I.T. project manager / lead developer on a number of global applications</p> <ul style="list-style-type: none"> • Use OOA&D principles and iterative development & testing cycles to deliver projects.
Management & Leadership	7+	<p>Completing a doctorate of business administration in strategy</p> <ul style="list-style-type: none"> • Balanced scorecard investigation for Philip Morris International's Strategic Planning Division. • Strategic analysis of Japan Tobacco International. (10 critical concerns with the current strategy) • Utility & design patent application for NexusTrap.

- MIS, Business Intelligence, Performance Improvement & Business Process Optimization projects.
- Mentorship, training and skill transfer.

Work Experience:

From – To: Present

Role Title: Master Puzzler, Author, Inventor, Research & Development

Description: They are currently developing the technology to build the next generation of math, logic and word based puzzles. He is in the process of publishing my first book "The eDoku Puzzle A Day Collection" and a new series "The eDoku Collection" ISSN 2040-5138. They contain a collection of puzzles like: SuDoku, WordDoku, ShapeDoku, PatternDoku, XtremeDoku, XDoku, SpeedDoku, SumDoku, NexusDoku, SuperDoku, UltimateDoku, AlphaDoku, SandwichDoku, SpeedKakuro, QuickKakuro, etc. He invented many of these puzzles. They are one of the first to solve and publish a 25*25 grid SuDoku type puzzle. Our puzzles are built using advanced mathematics, database and programming technologies.

Customer: NexusTrap

From – To: February 2007 – October 2008

Role Title: Web, Business Intelligence & Database Developer

Description: Long established print publishing house, expanding its product offering into a web/media portfolio.

- He developed a business intelligence system to consolidate & transform their sales and production data into business critical information. This is an innovative project he initiated, designed & developed, combing his business, performance improvement & MBA skills with his database & application development skills.
- He co-developed their sales management system to sell a portfolio of advertising products for print publications, web sites, events, exhibitions, subscriptions, etc.
- He completed their ad production system which manages the workflow of getting the advertising into production.
- In writing these applications he has worn the many hats in a system development life cycle:
 - Business & systems analyst, architect, developer, tester, implementer, team leader and project manager.

Technology Used:

- He co-developed the sales system with .Net using C#, VB.Net, ASP.Net, ADO.Net, XML, CSS and SQL Server 2005.
- They re-wrote the existing 1 layer VB.Net 2003 applications in C# & VB.Net 2005 as an Object Orientated, N Tier application.
- His ad production system has automated departmental workflow processes. He wrote this using C#, VB.net & SQL Server Integration Services.
- .Net 2005 SQL Server Business Intelligence Studio for Data Warehouse, Integration Services, OLAP, Reporting and Data Mining Systems.

Features Built:

- A real time sales system allows reps to place orders, check product availability, perform credit checks, and determine payment options.
- The BI system gives management a consolidated view of their many products, customer base, geographic distribution, sales reps, cash flow,

process effectiveness, etc. It will help them realize synergies, best practices and make faster, more informed decisions.

- The ad production system automatically monitors, detects and notifies via email the sales reps, customers and admin staff of potential contract breaches. It improves the communication & co-ordination between sales and production and William Reed & its customers.

Customer: William Reed Business Media

From – To: June 2006 – January 2007

Role Title: Management & IT Consultant, Research & Development

Description: This is an internet start-up company; the first site to offer a range of interactive Doku type puzzles with free daily content.

- The online storefront offered world first eDoku cards to millions of consumers.
- Utility & Design patent applications on number of products.
- NexusTrap specializes in the manufacture, packaging, publishing and sales of a compendium of puzzles across a broad medium base. (Internet, Newspapers, Newsletters, Catalogs, Books, Games, Mobile, etc.)
- He developed the system to automatically manufacture, store and distribute puzzles.

Technology Used:

- NexusTrap.com has been built with .Net 2 using C#, VB.Net, ASP.Net, ADO.Net, XML, CSS & SQL Server 2005.
- He used OOA&D, OOP & design patterns to develop an n-tier website with a portable, scalable Data Layer, a Business Layer with validation, transaction management, user event logging and caching, presented with a friendly, customizable, easy to use UI layer.
- These layers are built around object contracts using design patterns, base classes, abstract classes, interfaces and implementation classes.
- The UI is built around Master Pages, Content Pages, Custom Controls, Wizards, MultiViews, Templates, ASP Controls, Themes, and CSS & Skins and uses ObjectDataSources to interact with the Business Layer.
- The Data Layer is pluggable to support multiple data stores and scalable to support high volume usage. It uses provider classes to interact with the Business Layer and instance classes currently configured to interface with SQL Server 2005 stored procedures.
- The Business Layer translates between the entity and domain objects to manage & expose the data as objects. It also handles the business rules, validation, transaction management, logging, business object caching, etc.
- It uses Membership & Roles to register, authenticate & authorize users and Profiles to set & persist user properties.
- A C# program automatically manufactures and packages the puzzles and has an automated interface into Adobe Indesign CS2 to publish puzzles for Books, Magazines, Newspapers, etc.

Features Built:

- Online interactive puzzles with tips, clues; checks & solutions. <e.g. SuDoku, SumDoku, WordDoku, etc.>
- Automated content/puzzle manufacturing, quality assurance, packaging, delivery & presentation.
- Customized e-commerce shopping cart with integrated credit/debit card payment processing through PayPal.
- Order tracking, order status and order history, Activity logging, event logging, exception logging and audit trail

- Navigation system of custom page tabs, menus, a site map, breadcrumbs, etc.
- Tools & procedures to develop & manage site over a shared hosting platform.
- Easy site, module & profile configuration through helper classes that interact with web.config

Customer: NexusTrap Ltd

From – To: July 2005 – June 2006

Role Title: Sabbatical, Student, Research & Development

Description: Relocated from Geneva to London, took a sabbatical to investigate the state of current technology in the field of corporate strategy and reviewing possible doctorate paths.

From – To: August 2004 – July 2005

Role Title: Management & IT Consultant

Description: Preferred supplier of MS Access database development projects with Japan Tobacco during SAP roll-out.

- Conducted Balanced Scorecards advertising / awareness campaign for Geneva / Lausanne - Switzerland.
- Balanced Scorecards proof of concept for Philip Morris International's executives.
- Research & development of strategic database application opportunities.
- Balanced Scorecards, Theory of Constraints & Six Sigma
- Internet development in C#, ASP.net, ADO.net & SQL Server
- Microsoft Partner & Microsoft Independent Software Vendor.

Customer: Soluciens Inc., Geneva, Switzerland

From – To: November 1999 – July 2004

Role Title: IT Consultant / Database Developer / MIS Developer / Business Analyst / Project Manager

Description: Application development involved Business Analysis to extract user requirements, Business Process Analysis and System Analysis to design the systems, Database Engineering & Software Engineering to develop the systems and Team Project Management to deliver the systems.

- Ocean Freight Procurement & Logistics System in Access & SQL Server
- Finished Goods Inventory Forecasting System in Access then migrated into VB.net, ASP.net ADO.net & SQL Server
- Procurement Supplier & Contract Management System in Access, Word, Excel, VB, ASP, ADO & SQL Server
- SAP Role Management System developed in Access. SAP roll-out Project Management System developed in Access.

Customer: Japan Tobacco International, Geneva, Switzerland

From – To: March 1997 – October 1999

Role Title: IT Consultant / Database Developer / Business Analyst / Project Manager

Description: I developed their Initial public offering (IPO) Syndicate Management System in Access & Sybase.

- This application calculates all the fees payable & due, tracks responsibilities, provides management information and a reciprocity analysis of the participating syndicate members, in all their IPO's.
- He worked in the Financial Technology Group, responsible for developing applications for their traders & controllers. Our systems were typically Access 2 & 8 as the front end & Sybase 4.2 & 11 as the backend. We also developed for New York, Hong Kong & Tokyo.

Customer: Numerous Y2K, Euro & Upgrade projects in Access & Sybase.
Morgan Stanley, London, UK

From – To: 1996 – March 1997

Role Title: IT Consultant / Database Developer / Business Analyst

Description: SFA Interface/Compliance System in Access

- Credit Risk & Partner Reciprocity Analysis System in Access
- Maintain trading floor back office system, add-hoc trader reports, etc. in Access

Customer: First Marathon U.K. Ltd, London, UK

From – To: 1996

Role Title: IT Consultant / Database Developer

Description: Import & export of endangered fauna & flora, licensing & registration system in Access & Sybase.

Customer: Sema Group / Department of Environment Wildlife Licensing & Registration Division, UK

From – To: 1993 – 1996

Role Title: Analyst Programmer / IT Consultant / Database Developer / MIS Developer

Description: Marketing Information System in Access

- Medical Claims Query Knowledgebase in Access & Visual Basic.
- Corporate Relations Reporting Tool in Access, Word Basic & Visual Basic.
- Part of small team that developed their complete medical claims processing systems & Cash Card systems in Magic.

Customer: Momentum Health, Johannesburg, South Africa

From – To: 1992 – 1996

Role Title: Business Analyst / Programmer

Description: Management information system in Clarion & SAS, Product tracking system in COBOL, Process re-engineering and office automation, Accounts Receivable & Accounts Payable ERP

Customer: Premier Group, Johannesburg, South Africa

From – To: 1987-1989

Role Title: Full Ops Medic

Description: (1997) Basics, specialist medical and operational training.

- (1988) Helicopter casualty evacuation unit for Northern Namibia & Angola.
- (1999) Senior Medical Officer for 5 Signals Battalion, Training Base.

Customer: South African Defence Force, Ops Medic Core

Education:

On Hold Specialist MBA (Finance & Strategy) leading to Doctorate Business Administration (Strategy),
Edinburgh Business School, U.K

1996–2002 Masters Business Administrations
Edinburgh Business School, U.K

1990-1994 National Higher Diploma: Information Technology & National Diploma: I.T
University of Johannesburg, South Africa

1986 Matriculated

Settlers Agricultural High School, South Africa

1990 Nominated for best first year student, Business School.

1991 Awarded the Wits "C" Scholarship.

1992, 1993 Received a Premier Group Bursary.

1994 Received a Momentum Health Post-Grad, Bursary.



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