

GARETH SHAW

Enterprise Architect | Data Leader & Strategist | AI enthusiast
BCom (Information Systems)

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 Dual Citizenship - SA & UK

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 gareth-shaw.com

CORE SKILLS

- ✓ Architecture, Design & Modelling
- ✓ Strategic Planning
- ✓ Problem-solving & Analytics
- ✓ Communication & Collaboration
- ✓ Management and leadership
- ✓ Technical proficiency (Data, AI and ML)

EDUCATION

1998-2000 | @ University of KwaZulu-Natal
Bachelor of Commerce (BCom - Info Systems)

1992-1995 | @ Michaelhouse
High School Diploma

CERTIFICATES

2016 | Simplilearn Certificate
TOGAF 9.1 Part 1 and Part 2

2004 | Business Connexion
Developing E-Business Solutions Using MS BizTalk Server 2004 (Course 2157)

2000 | CS holdings
Programming & Implementing SQL 2000

EXTENDED SKILLS

- ✓ Enterprise Architecture & frameworks
- ✓ TOGAF - The Open Group
- ✓ Business, Data, Application, & Technology Architecture (BDAT)
- ✓ Solution Architecture and Design
- ✓ Enterprise Architecture Management Systems (EAM)
- ✓ Architecture modelling
- ✓ Data Governance & frameworks
- ✓ Data Management & Maturity models
- ✓ Application Rationalisation & modernisation
- ✓ Integration Technologies (Events and stream-processing)
- ✓ Agile frameworks and methodologies
- ✓ CI/CD, Kanban, SAFe
- ✓ Cloud & Cloud-native Computing
- ✓ Data Science, Data mining
- ✓ Machine Learning and MLOps
- ✓ Gen AI, RAG, and LLMs
- ✓ Database design & modelling
- ✓ Data product design (Datawarehouse, Graph dB)
- ✓ Bigdata solutions (Data Lake, Datamesh)

PROFILE

An experienced **Enterprise Architect, Data leader, and AI enthusiast**, driving strategic technology decisions and delivering innovative, high-impact solutions. Proven track record of shaping digital landscapes, optimising operations, and enhancing overall performance through data-driven strategies. Skilled at analysing complex business requirements and translating them into scalable, actionable technical roadmaps. Adept at leading cross-functional teams and fostering collaboration to achieve organisational objectives. Strong communicator and strategic influencer, leveraging emerging technologies to drive digital transformation, operational efficiency, and sustainable growth.

EXPERIENCE

Sept 2016 – Aug 2024 | Enterprise Architect @ DigiOutsource, Cape Town

Solution Focus:

- Led a highly skilled architecture team, executing the Enterprise Architecture portfolio and developing strategies, roadmaps, and solutions.
- Collaborated with stakeholders, providing mentorship and advocating for technology improvements aligned with business goals.

Key responsibilities:

- **Mapped 90% of the current architecture landscape**, identifying gaps and formulating strategic transition plans.
- Served on the Technology Steering Committee, evaluating industry trends, acting as an advocate and steward for Technology advancements.
- Led Centres of Excellence (COEs) for **Cloud adoption, AI, Modern Data platforms, and MLOps**, fostering innovation.
- Streamlined cross-team collaboration, **reducing duplicative efforts by 20%**.
- Provided enterprise-wide architecture guidance and thought leadership across multiple domains.
- Developed an **Automated Architecture landscape** integrated with a Software catalogue achieving **60% adoption**.
- Led **Data Governance** initiatives based on a custom Data Management Maturity Framework (DMBOK2, DCAM, CDMC), **improving data lineage traceability by 40%** and securing **60% adoption**.
- Established the **Data Science** portfolio from within Data Architecture, driving a **28% revenue increase**.

Oct 2014 – Sep 2016 | Head of Business Intelligence @ DigiOutsource, Cape Town

Solution Focus:

- Key member of the technology management team, optimizing data usage to drive business strategy and operational success. Developed strategies, managed budgets, supervised product development.
- Led, managed and mentored a highly skilled BI team to ensure data-driven strategies and operational effectiveness.
- Established and maintained architecture for BI platforms, supporting organizational goals and products.

Key responsibilities:

- Delivered strategic insights on key metrics, enabling data-driven decision-making and identifying opportunities for improvement including **acquisition insights, customer identity resolution** and **automated promotion generation**.
- Led daily BI operations, overseeing data warehouse, statistical analysis, report development, team training, performance management and system maintenance.
- Transformed reporting systems and data warehousing strategies, **reducing total time to completion by 20%** and **lowering failure rates to just 2%** through improved development practices and a modernized data warehouse.
- Researched, evaluated, and implemented cutting-edge BI technologies to enhance analytics capabilities and business intelligence efficiency.

Apr 2014 – Sep 2014 | BI Team Lead @ DigiOutsource, Cape Town

Solution Focus:

- Led, managed and mentored the BI team, overseeing the execution of the Business Intelligence portfolio and responsible for team productivity.
- Developed and implemented architecture for BI platforms, supporting organizational needs.

Key responsibilities:

- Identified opportunities for efficiency improvements and business optimization through in-depth analysis.
- Provided actionable insights by integrating data from multiple sources, enabling proactive decision-making.
- Developed and delivered end-user training, reference material and data catalogues, **enhancing company-wide understanding of key metrics by 90%**.
- Strengthened team expertise through individualized training plans and performance-driven learning, leading to a **60% improvement in average query execution time**.

LANGUAGES & FRAMEWORKS

- ✓ SQL (TSQL, oracle PSQL, DSO)
- ✓ SSAS & MDX
- ✓ Python
- ✓ Databricks, Snowflake
- ✓ MongoDB
- ✓ Power BI, SSRS, Tableau
- ✓ Flink, Spark
- ✓ DBT, Airflow
- ✓ Zapier, MS Power platform
- ✓ Neo4j & Graphdb
- ✓ ArchiMate in SparxEA & Archi
- ✓ C#, VB, .net framework
- ✓ PHP
- ✓ HTML/CSS
- ✓ Azure / AWS
- ✓ Docker, Kubernetes, AKS
- ✓ YAML/JSON
- ✓ R
- ✓ RabbitMQ
- ✓ Kafka
- ✓ UML
- ✓ BPMN
- ✓ Github, Azure devops, Jira

EXPERIENCE continued...

Jan 2010 – Mar 2014 | **Senior ETL Technical Specialist @ DigiOutsource, Cape Town**

Solution Focus:

- Technical lead on new initiatives, data analysis, analysing business requests and creation of solutions.
- Led new initiatives, data analysis, and business solution creation, with expertise in Microsoft SSAS, SSIS, SSRS, and MDX.

Key responsibilities:

- Redesigned a data warehouse using Kimball standards and SQL Change Data Capture (CDC) for efficient data analysis and reporting, **improving change lead time by 60%** and **reducing total time to completion by 50%**.
- Optimized SQL SSIS ETL, **reducing failure rate to 5%** and **cutting mean time to restore by 20%** with a more efficient incident response process.
- Led and maintained ETL processes using SQL and SSIS, setting technical team goals and driving new initiatives.
- Continuously explored and implemented innovative data integration and analysis methods, ensuring alignment with business objectives.

Jan 2001 – Dec 2009 | **Senior Consultant/Developer @ Business Connexion (BCX), Durban**

Solution Focus:

- *Senior Software Developer*

Key responsibilities:

- **Designed and delivered software solutions** for BCX clients, including **SAPREF, RBCT, Mass Discounters, Toyota, and Rainbow Chickens**, providing tailored technology solutions.
- Specialized in Microsoft stack development, with expertise in business intelligence, reporting, and integration with BizTalk, SharePoint, and Exchange workflow.
- **Engaged directly with clients** in a consulting capacity, identifying business needs, formulating recommendations, and leading presales pitches and technical solutions delivery.