Innovations



COMPANY PROFILE 2026

Engineering intelligent digital solutions

AI, cloud, data and software engineering for organisations ready to work smarter.

Who we are

TQ Innovations is a 100% black-owned Johannesburg technology company founded in 2026 by three engineers. We help businesses and public-sector organisations put artificial intelligence, cloud and data to work — designing, building and integrating solutions that solve real problems and deliver measurable results.

We combine deep engineering skill with a practical, partnership-led approach. From the first workshop to long-term support, our founders stay hands-on and accountable for the outcome.

FOUNDED	HEAD OFFICE	B-BBEE
2026	Johannesburg	Level 1 contributor

OUR MISSION

To help organisations work smarter by designing, building and integrating intelligent digital solutions that deliver measurable value.

OUR VISION

To be Africa's most trusted partner for practical, responsible and high-impact technology.

Our values

Innovation	We look for better ways, not just familiar ones.
Integrity	Honest about what works, what it costs and how long it takes.
Excellence	High engineering and delivery standards, every time.
Client focus	Your goals shape every decision we make.
Collaboration	One team with yours, sharing knowledge along the way.

Six capabilities. One accountable partner.

Our services work on their own or together. Most clients start with one challenge and grow into an end-to-end partnership.

01
Artificial Intelligence
Strategy, machine learning and automation that turn data into decisions.

02
AI Integration
LLMs, chatbots and AI agents embedded into the systems you already use.

03
Cloud Integration & Migration
Secure, well-planned moves to AWS, Azure, GCP and hybrid cloud.

04
Digital Solutions
Custom web and mobile apps that digitise and simplify how you work.

05
Data Solutions
Pipelines, warehouses and dashboards that make data useful.

06
Systems Development & Integration
Enterprise systems, APIs and modernised legacy platforms.

Not sure where to start? We begin with a free discovery session to find your highest-value opportunity.

TALK TO US →

01

OUR SERVICES · 01 OF 06

Artificial Intelligence

We help you find where AI creates real value, then build models that turn your data into predictions, insights and automated decisions.

01 AI strategy & readiness

Use-case discovery, feasibility and a practical roadmap.

02 Machine learning models

Forecasting, classification and recommendation built on your data.

03 Intelligent automation

Automating repetitive, rules-heavy work to free up your people.

04 Responsible AI

POPIA-aligned data handling, monitoring and explainable models.

What you gain

Faster, better decisions

Predictions and insights from data you already own.

Less manual work

Routine tasks handled automatically, freeing your people.

AI you can trust

Transparent, monitored models aligned with POPIA.

WORKS WELL WITH **AI Integration** **Data Solutions**

02

OUR SERVICES · 02 OF 06

AI Integration

We embed modern AI — large language models, chatbots and AI agents — into the systems and workflows your teams already rely on.

01 LLM integration

Secure connection of leading language models to your apps and data.

02 Chatbots & assistants

Customer and staff assistants on web, WhatsApp and Teams.

03 AI agents

Agents that complete multi-step tasks across your systems.

04 Knowledge search

Accurate answers grounded in your own documents and policies.

What you gain

Smarter everyday tools
AI inside the systems your teams already use.

24/7 self-service
Customers and staff get accurate answers, any time.

Secure by design
Your data stays protected and under your control.

WORKS WELL WITH **Artificial Intelligence** **Systems Development & Integration**

OUR SERVICES · 03 OF 06

03 Cloud Integration & Migration

We plan and run cloud moves with minimal disruption, so you gain scalability, resilience and tighter control of costs.

01 Cloud readiness assessments

A clear view of your estate, risks, costs and migration path.

02 Migration to AWS, Azure & GCP

Phased, tested migrations with rollback plans at every step.

03 Hybrid cloud

On-premise and cloud working together, securely and seamlessly.

04 Serverless architecture

Pay-per-use applications that scale automatically with demand.

What you gain

Scale on demand
Capacity that grows and shrinks with your business.

Lower running costs
Pay for what you use, with clear cost visibility.

Greater resilience
Built-in backup, recovery and high availability.

WORKS WELL WITH Systems Development & Integration · Data Solutions



04

OUR SERVICES · 04 OF 06

Digital Solutions

We design and build digital products that are simple to use, secure and ready to grow with your organisation.

01 Custom web applications

Portals, platforms and internal tools built around your users.

02 Mobile applications

iOS and Android apps designed for real-world connectivity.

03 Digital transformation

Rethinking services and operations for a digital-first world.

04 Process digitisation

Replacing paper and spreadsheets with streamlined workflows.

What you gain

Better user experience
Simple, modern tools people actually want to use.

Faster processes
Less paper, fewer errors, quicker turnaround.

Ready to grow
Secure platforms designed to scale with you.

WORKS WELL WITH **Cloud Integration & Migration**

Systems Development & Integration

05

OUR SERVICES · 05 OF 06

Data Solutions

We turn scattered data into a trusted, single source of truth — and give your teams the insight to act on it.

01 Data engineering

Reliable pipelines that collect, clean and connect your data.

02 Data warehousing

Modern warehouses and lakehouses designed for scale.

03 Analytics

Analysis that answers real business questions, not just reports.

04 Dashboards & BI

Clear, self-service dashboards for every level of the business.

What you gain

One version of the truth
Trusted, consistent data across the business.

Insight on demand
Self-service dashboards instead of manual reports.

AI-ready foundations
Clean data that powers analytics and AI.

WORKS WELL WITH Artificial Intelligence · Cloud Integration & Migration

OUR SERVICES · 06 OF 06

06 Systems Development & Integration

We build robust enterprise systems and connect the ones you have, so information flows where it is needed.

01 Enterprise systems

Secure, scalable core systems built to your processes.

02 APIs & integration

Well-documented APIs that connect systems, partners and apps.

03 Microservices

Modular architecture that is easier to scale and change.

04 Legacy modernisation

Upgrading ageing systems without disrupting the business.

What you gain

Connected operations
Systems that share data instead of working in silos.

Lower technical risk
Modern platforms that are easier to maintain.

Room to change
Modular architecture that adapts as you grow.

WORKS WELL WITH **Cloud Integration & Migration** **AI Integration**

A clear path from idea to impact

Five agile stages keep every project transparent, on budget and focused on outcomes. You see working results early and often.

01 Discover

We learn your business, goals and constraints, and agree what success looks like.

YOU GET
Opportunity assessment & roadmap

02 Design

We shape the solution architecture, user experience and delivery plan.

YOU GET
Architecture, prototypes & plan

03 Build

We develop in short sprints, with regular demos and built-in quality checks.

YOU GET
Tested, working software every sprint

04 Deploy

We launch securely, migrate data and train your people to use the solution well.

YOU GET
Go-live, handover & training

05 Support

We monitor, maintain and keep improving the solution as your needs evolve.

YOU GET
SLA-backed support & optimisation

Industries we serve

Financial services
Fraud detection, credit scoring, client self-service.

Automotive
Dealer systems, predictive maintenance, supply chain.

Education
Learning platforms, student analytics, admin automation.

Healthcare
Patient records, scheduling, secure data sharing.

Public sector
Citizen services, case management, modernisation.

Retail
E-commerce, demand forecasting, customer insight.

Why choose us

Technical expertise
Founders with hands-on experience from the global cloud and automotive industries, and in applied AI research.

Local presence
A Level 1 B-BBEE, 100% black-owned South African team that understands local markets, regulation and POPIA.

End-to-end delivery
Strategy to support under one roof — one partner, one point of accountability.

Agile and transparent
Short cycles, regular demos and honest reporting.

Cost-effective
Enterprise-grade work at competitive, rand-based pricing.

Technology stack

We are technology-agnostic and choose proven tools that fit your environment.

AWS	Azure	Google Cloud	Python	Java	TypeScript
.NET	SQL	Spring Boot	React	Node.js	Flutter
Docker	Kubernetes	Terraform	CI/CD	PostgreSQL	Databricks
Power BI	Microsoft Fabric	PyTorch	OpenAI	Claude	Hugging Face

Compliance & credentials

TQ Innovations (Pty) Ltd is a registered private company. B-BBEE certificate valid until 7 July 2027. Certified copies available on request.

COMPANY REGISTRATION (CIPC)
2026/538791/07

B-BBEE STATUS
Level 1 · 135% procurement recognition

SARS TAX REFERENCE
9100982298

CSD SUPPLIER NUMBER
[MAAAXXXXXXX]

OWNERSHIP
100% black-owned (EME)

DATA PROTECTION
POPIA compliant

Leadership team

Our three co-founders and directors bring experience from the global cloud and automotive industries and from AI research — and stay hands-on in every engagement.



Klaas Senamela

CO-FOUNDER & DIRECTOR · CLOUD & SOFTWARE

Klaas is a software engineer with experience from the global cloud computing industry. He leads our cloud and software engineering practice, bringing hands-on expertise in building secure, scalable cloud-native systems.

LinkedIn profile



Koena Mabokela

CO-FOUNDER & DIRECTOR · DATA SCIENCE & AI

Koena is a data science and AI strategist and NLP research engineer. He brings academic leadership experience in higher education, is an award-winning leader and an IEEE member, and leads our AI strategy and innovation.

LinkedIn profile



Cecil Sithole

CO-FOUNDER & DIRECTOR · SYSTEMS, AI & DEVOPS

Cecil is a software engineer with enterprise-scale experience from the automotive industry, and an AI and DevOps researcher. He leads our systems development and integration work, delivering robust, well-integrated business systems.

LinkedIn profile

14 CONTACT US

Let’s build what’s next.

Book a discovery session and we’ll show you where technology can make the biggest difference.

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TQ Innovations

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