

Digital & Emerging Tech.

The future has begun.

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The technology that will define tomorrow is already being built today. At Synthesis Digital & Emerging Tech, we pioneer change. We do this with purpose. That purpose is to design exceptional digital solutions and software that will drive our clients' success and industry excellence. Our speciality lies in building, refining and evolving digital channels for financial services and retail. Our solutions are secure, customer's centric and create tangible impact.

Technology is progressing faster than ever, bringing the future closer than ever before. We bring a mix of smart techies, entrepreneurial spirit, a culture of creativity and a commitment to co-create with our partners, and this makes us the ideal team to build the future.

Our Skills

- Emerging technologies – we have a dedicated Labs team who continuously identify and experiment with emerging technologies and their use for our industries.
- Digital channels – we're experts at building your digital channel and integrate into your core systems. Whether it's web, mobile, chat, VR or whatever is next.
- Intelligent data – if you want to unlock the potential of your data, we bring our skills in building massive data pipelines, Cloud, integration and AI.
- Cloud and modern distributed systems and hyper scale architecture.
- Bank grade security – we ensure the highest level of security at every touchpoint.
- Agile process and change management – we use an agile methodology to ensure winning tried and tested digital experiences.

Our Process

At Synthesis, we don't take on a job, we take on a partnership. Our process is unique. We immerse ourselves in our partner's world and create unique solutions for the unique challenges faced by our client, built through design thinking. Our methodology is agile so our solutions are not only made with emerging technology but built for fast deployment and constant testing.

Our Experience

- Building the future since 2006
- Over fifteen strategic projects per year
- Three online banking systems built
- Two projects showcased at SA's AWS summit

Challenge 1: Picture having 40 000 artefacts across 300 systems that need brand logos and names removed. This was the problem Absa came to Synthesis with when they separated from Barclays.

Solution: Synthesis tapped into machine learning and microservices Cloud-based architecture through an agile approach. Absa's initial proof of concept system was able to assess 100 documents in a day. The solution finally implemented was able to analyse 5 000 records in just 30 minutes.

Challenge 2: As a bank, how do you know if an application is being submitted by a known fraudster if they use a new fraudulent ID number? This requires searching through thousands of systems for facial comparison which is time consuming and won't account for new fraudsters.

Solution: Synthesis used AWS rekognition which can compare faces. We pulled in all the face data of the bank into a single repository and we were able to search via face. We then could compare a new credit application to the database and pick up if this face applied for credit before using a different ID with 99.99% accuracy and a 10x return on investment.

Our list goes on from partnering with clients to build an AI email routing system to re-architecting Vitality's app for global scalability to a chatbot that connects millions of South Africans to open Sassa grants to revolutionising farming with an online platform.

With Synthesis Digital & Emerging Tech, the future is creative, innovative and agile.
The future has begun.

Contact us to build your future today.

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