



# PROFILE

The start of my career in the IT industry pre-dates the internet era. I have worked on real-time embedded systems, large B2B integration projects and lately Big Data Analytics and Distributed Ledger Technology. Over the past 25 years I have established and managed 4 software technology companies. During this time I was able to maintain a deep level of technical leadership in all the projects, from conceptualisation and architectural design through coding and implementation.

As one of the early adopters of the Scala language, I have a deep understanding and experience in Reactive and Functional programming paradigms, with a special interest in the compositional nature of Petri Nets and how it can be applied in the development of [Decentralized Applications \(dApps\)](#).

Recently my focus has been on developing a [Decentralised Marketplace Platform](#) utilising W3C standards for DID and DIDComm along with Tokenisation and Smart Contract technology.

# EDUCATION

HS Transvalia - Vanderbijlpark: Matriculated 1973

University of South Africa  
1978 - 1981: Diploma Data Metrics

# WORK EXPERIENCE

**MN8 Technology** — Founder / CTO (Aug 2019 - October 2022)

Startup focused on developing a platform for integrating Self Sovereign Identity (Indy and Aries) and Smart Contracts (Ergo, Cardano and DAML on Fabric) on Cloud Native technology.

**EOH** - Chief Technology Officer (July 2018 - Aug 2019)

Run EOH Innovation Centre; Identity BlockChain; Big Data; MultiCloud

**zenAptix** — Founder and CEO (2001 - 2018)

Run EOH Big Data Lab; Created Aqueduct Fast/BigData Fabric on Kafka, Cassandra, Akka,

Elastic, Openshift (Kubernetes and Containers)

**Visoft** — Founder and CEO (1997 - 2001)

eCommerce and B2B using Java; CORBA, J2EE, J2ME, ebXML

**Independent Contractor** (1985 - 1997)

Houwtek (SA Space Program)

LeisurePlan (Holiday and Flight Booking Web Site in the early days of the Internet)

**URSA Software** — Founder and CEO (1990 - 1993)

Image Processing (X-Ray scanning annotation, transmission and storage)

## TECHNOLOGY SKILLS

Programming: Passionate about Functional Programming, Scala

Cloud Computing and Dev/Ops: Deep understanding of Cloud Native Compute environment, Containers, Orchestration, Function as a Service/Serverless

Data: IoT, Big/Fast Data, GeoTemporal correlation, GraphDb's

## COMMUNICATION SKILLS

Presented at Local and International Conferences

CamelOne/Redhat: Boston; ebXML: Barcelona; EOH Connect and Oracle Partner Conferences in South Africa.

## INNOVATION AND PRODUCTS

Castanet: Dynamically Executable Decentralised Workflow Engine;

Qanat: Decentralised Marketplace Platform;

Aqueduct: Fast Data Fabric;

Medimba: Medical Image Base;

McCaddy: Golf Mobile App);

# OPEN SOURCE CONTRIBUTIONS

[Ergo-Castanet](#)

[Castanet](#)

[rxZmqStreams](#)

**Not so recent past:** ActiveMQ, Camel, Mule.