



CEDAR TOWER
SERVICES

CURRICULUM VITAE



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EDUCATION:

- M.Sc., Archeology - University of Cape Town (2011)
- B.Sc. (Honours), Archeology - University of Cape Town (2005)
- B.Sc., Archeology and Environmental & Geographical Sciences - University of Cape Town (2004)
- A+ and MCSE - New Horizons, Bloemfontein (1999)
- Matric (Distinction) - St Andrew's School, Bloemfontein (1997)

EMPLOYMENT HISTORY:

December 2013 - present : Cedar Tower Services (Pty) Ltd, Cape Town, South Africa

Position : Owner/Director

April 2015 – present : OpenHeritage, Cape Town, South Africa

Position : Founder

Responsibilities :



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- Director of OpenHeritage, a non-profit organisation tasked with rolling out free open source heritage management systems to developing nations

December 2013 - present : Mothers2Mothers - AgeWell Global LLC, (pilot) through Cedar Tower Services Cape Town, South Africa

March 2015 - present : IT Services Consultant to m2m

Responsibilities :

- Currently providing ongoing project support

December 2013 – December 2014 : AgeWell Global LLC Developer

Responsibilities :

- Drupal development of handheld recording system on smartphones and tablets for health data in the older persons sector

November 2011 – November 2013 : South African Heritage Resources

Agency (SAHRA) Cape Town, South Africa

Position : Project Manager & Developer: SAHRIS (The South African Heritage Resource Information System)

Responsibilities :

Design and implement South Africa's first national heritage management system. In summary this involves:

- Planning and selection of a suitable platform to develop SAHRIS
- Planning, selection, installation and setup of dedicated servers using Ubuntu Server OS
- Development of SAHRIS on the Drupal Platform
- Setup of a Geoserver to interface with Drupal
- Live Disaster Recovery Setup
- Installation and setup of mass storage devices (NAS Servers) across multiple data centres
- Setup of replication and backup
- Regular planning and assessment meetings with key stakeholders to outline future system improvements
- Training users, especially of SAHRA and the nine Provincial Heritage Resources Authorities,



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and museums

- Creation of training videos and help documentation
- Implementation of the website theme designed by an outside graphic design company
- Data Migration of Sites, Objects, Media Content, Profiles, Reports



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- Designing, planning and overseeing SAHRA's Digitisation
- Promotion of SAHRIS and production of peer reviewed articles

November 2008 - June 2010 : Heritage Western Cape Position : Senior Heritage Officer:
Archaeology Responsibilities :

- Identify, protect and manage archaeological resources in the Western Cape
- Assess development applications, write policies, nominate sites for Provincial Heritage Site (grade 2) status
- Maintain and update GIS reporting database with SAHRA

Project Involvement: November 2008 – March 2009

- Designed, wrote and implemented database tracking system for applications and issuing of coded Records of Decision
- Implemented and maintained GIS system for archaeological sites, reports and provincial heritage sites
- Worked closely with SAHRA in bringing the GIS Reporting Project to its first release in November 2009
- Ran a workshop in July 2009 to allow all the practitioners in the province to see the demonstration of the database and the updated requirements of the system in terms of the minimum standards
- Involved monthly reporting and quarterly reporting to management as per government policies

December 2007 – September 2011 (and intermittently prior) : Archaeological Consultant,
Independent

IT Contractor & Research Assistant Project Involvement :

African Climate & Development Initiative (ACDI), UCT, Cape Town, 2011

- Design of database system for the ACDI audit of projects, departments, people and research units engaged in climate change related research at UCT
- Pooled various GIS data repositories to initiate discussion around the impacts of CC on the Cederberg Municipality and prepared the GIS groundwork for a demonstration presentation in May 2011
- Collaborated with the MAPA project to setup the structure for an online solution to hosting the UCT projects audit
- Was also involved in the Southern African Regional Universities Association (SARUA)



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meeting in March 2011 and presented a Google Earth mapping layer linked to the audit database to provide a possible solution to their collaboration framework. Involved in setup and maintenance of WordPress website for the ACDI and UCT steering committee for the Enterprise Content Management (ECM) project

eastern Cederberg Rock Art Group (eCRAG), Western Cape, 2008

- Archaeological surveys for rock art and other archaeological sites from Wupperthal in the north to Op die Berg in the south of the Cederberg
- Contributed to three Conservation Management Plans handed to each owner for completed properties
- Current number of sites documented: 464
- Created and managed the photographic, digital report and GIS archive

Just Fruit and Veg, Killarney Gardens (July 2008-January 2009, November 2010-February 2011) Spar Ordering System:

- Designed and implemented database system to run the Packing Sheets, Production Totals and automatic exports of the Spar Group's orders to JFV Pastel Accounting system
- The system also imports weekly price updates from their unique pricing system

JFV Pricing System:

- Overhauled an Excel based pricing system which calculated suggested selling prices based on margins and cost inputs
- The new system tracks costs and selling price changes per product and is able to export the new prices across multiple price structures directly in Pastel
- Various choices can be manipulated to derive a new selling price and the database has been coded to prevent accidental errors which cropped up in the Excel based system that relied on macros

HIMAP – Historical Mapping Project, Cape Town, June 2009 – December 2009

- Digitally mapped the historical layers of the 18th century of Cape Town from various historical maps in a project with Dr Antonia Malan
- Combined archival data with the shape files so that various interpretative layers could easily be generated



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ACO Prestwich Place, Cape Town, April 2008 – August 2008

- Design and implementation of database system for the Prestwich Place burials
- This includes a GIS mapping of the data and a 3d modelling tool for point cloud data using VRML

Iziko Museums, Cape Town, December 2007 – March 2008

- Design of interactive multimedia exhibit displayed in the rock art collection comprising a selection from the Bleek & Lloyd Archive and the Warmhoek rock art trail in Clanwilliam

Masters (& partly Honours) Project at UCT, Cape Town, 2005, 2008-2011

- Design of database system for the SARU archaeological records
- This involved the digitisation of 10 000 slides and the organisation of all the digital photographs taken since 2001
- All the site records were physically scanned and typed up, mapped on GIS and linked relationally to my system
- Archive generated over 250 gigabytes of data

Genex, Cape Town, July 2007 – October 2007

- Project managed the migration of the accounting systems from Accpac for Windows to Fincon Accounting
- Ran the Accounting department on a short term basis as caretaker before taking on another project at Ellies in Maputo, Mozambique

Millennium Foods, Killarney Gardens, June 2007 Ordering System:

- Designed and implemented networked database system to capture EDI orders from Checkers and to automate standing orders from their other customers
- The system also exports these orders directly into Pastel Accounting and runs their packing and production reports

Ellies Electronics, Cape Town, February - May 2006

- Project managed the migration of the accounting systems from Accpac (DOS version) to Fincon Accounting
- Setup and installed Windows NT server and email server



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Kardex and Tracking Systems, Bloemfontein, November 1999 - February 2000

- Designed two database systems to track stock in a multi-company environment, produce dispatch labels and to automate tripsheets

January - July 2007 : Archaeological Contractor Responsibilities :

- Contract work undertaken for the Archaeological Contracts Office at UCT & Cape Archaeological Survey.
- Cape Nature Archaeological Survey Project from July 2007 – December 2007.

January 2006 – November 2007 : Fincon Position : IT Consultant Responsibilities :

- Training, installation and Accountancy services
- Main clients: Ellies Cape Town, Ellies Maputo, IT Outlook, Genex, Toshiba Central

1998 – 2002 :

- Spent two full years as well as two short term periods working and travelling in Europe and the UK

REFERENCES:

Professor John Parkington, Supervisor at UCT 079 872 4807

Raymond Berkmann, Ellies Electronics, Cape Town 021 532 2225

Dr Janette Deacon, APM Committee, HWC, Cape Town 082 491 5067

Mamakomorenk Nkhasi EO, Corporate Affairs, SAHRA 021 462 4502

Dr Mitchell Besser, Mothers2Mothers, Cape Town 021 466 9160