# CHARLES TANTON

## CURRICULUM VITAE

### EDUCATIONAL QUALIFICATIONS

- Bachelor of Science Honours (Wildlife Management), University of Pretoria, 1997

· Bachelor of Science (Zoology & Entomology), Rhodes University, 1994 – 1996

### WORK EXPERIENCE

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| August 2002 to current | Freelance Drupal Developer |
| October 2000 to August 2002 | Freelance Web Designer |

### NOTABLE AREAS OF EXPERTISE

Drupal Development, migrations, configuration, theming, site building, custom modules, PHP, MySQL, HTML, CSS, Javascript and Drush. Competent with node/npm/nvm and gulp, Compass & SASS, SVG, Linux command line, PHPStorm (and XDebug debugging), Git and GitHub workflow, Composer, Drupal Console, Docker, Varnish, Photoshop. Currently undertaking Wes Bos' React for beginners course.

### ABOUT CHARLES TANTON

Charles was first introduced to the Web in the late 1990s while qualifying for a Bachelor of Science degree at Rhodes University. He started building websites as a hobby in 2000 and decided to pursue his passion for the web in a full time capacity from 2002.

His 18 years of website experience has given him a broad and strong foundation in the full stack of web technologies. With 13 years of Drupal content management experience (https://www.drupal.org/user/27895), he has in-depth working knowledge of Drupal as a

content management platform. He has recently started putting time into contributing to Drupal by helping out in the Drupal core and contrib issue queues, creating patches, rerolls and patch reviews.

He has built and maintained a significant number of Drupal websites (primarily in the NGO/Non-Profit sector), including [Music In Africa](), [the NGO Pulse portal](), sites for [Economic Research Southern Africa](), [Cape Town Green Map]() and [Joburg Green Map](), [the Euro Area Business Cycle Network](), the Drupal version of the P2PU website (now archived at [http://archive.p2pu.org/]()), and the Ikamva websites [http://ikamvayouthzone.org/]() and [http://ikamvayouth.org/]().

Charles is a founding member of the Drupal Johannesburg User Group, and is currently an active member of the Cape Town group, having served on the committee in 2011, and was an individual sponsor of the 2015 Johannesburg and 2016 Cape Town Drupal Camp. A selection of his sites may be found at [https://parkroad.co.za/portfolio]().

Charles lives in the quiet town of Kommetjie on the southern peninsula of Cape Town, where he spends time in Drupal, singing songs on the piano, surfing, and walking with his dog.

Charles is concerned about what we are doing to the planet and is currently interested in working with clients who are having a demonstrable impact in reducing our impact on animals and the environment. I would prefer to only work in Drupal 8.

## RELEVANT PUBLIC ACCOUNTS

- [https://www.drupal.org/u/foxtrotcharlie/]()
- [https://github.com/foxtrotcharlie/]()
- [https://www.linkedin.com/in/charles-tanton]()

## REFERENCES

**Riaan Burger, Project Manager, Burtronix (Enterprise Drupal Websites),**
Tel: +27 (0)82 657 6005

**Arnold Netshambidi, Phambano, and SANGONeT**
Tel: +27 (0)84 979 0336

**Gloria Halland, Economic Research Southern Africa (ERSA)**
Tel: +27 (0)21 671 3980

**Jacob van Garderen, National Director of Lawyers for Human Rights (LHR)**
Tel: +27 (0)12 320 2943

**Chris Wray, Senior Systems Analyst, Gauteng City-Region Observatory (GCRO)**
Tel: +27 (0)11 717 7280

## SAMPLE OF PROJECTS UNDERTAKEN (most current sites listed first):

| ORGANISATION | PROJECT DESCRIPTION | PERIOD |
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| **Black Snow Agency** | Charles was employed by Black Snow to assist with tracking down bugs on a Drupal 8 client site. The work involved some theme customisations, fixing configuration import errors, and fixing frontend theming issues. | November 2018 |
| **The Internet Advertising Bureau (IAB) UK** | Under a tight deadline, Charles was contracted by LAB to manage the migration of content from the old IAB website (Drupal 7) to an under construction, Drupal 8, IAB UK website.<br><br>Charles successfully set up and ran migrations from 16 Drupal 7 content types (including some with field collections), to some fairly complex, paragraph based, new Drupal 8 content types. This included document and image migration, as well as taxonomy migration.<br><br>Some custom migration plugins had to be created to convert data from the old site into the correct format that the new site required.<br><br>A detailed migration mapping research phase provided the basis from which the migration yaml files were constructed. | January - February 2018 |
| **Hemsley Fraser France** | At the beginning of November 2017, Charles was contracted by LAB to work on the Hemsley Fraser France website (https://www.demos.fr/). The work was primarily focused on the discovery and display of the catalogue of courses offered. This involved setting up of the ajax enabled course search, and using the Search API to provide more advanced course search capability, as well as integrating with views.<br><br>The display of courses by category was implemented using a multi-level, custom javascript menu.<br><br>The course category explorer from the UK site was modified to work with the French site course taxonomy system.<br><br>Local development done in a Docker environment. | November 2017 - January 2018 |

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| **Music In Africa** | Charles was contracted to work on the [Music In Africa website](#) in mid 2015 to help fix problems with their Drupal 7 installation. Over the last year, working with [Burtronix](#), and using GitHub for development workflow, the site has been improved and a new design implemented in May 2017. The multilingual site serves all players in the African music industry, allowing artists and service providers to network and to showcase their work.<br><br>During the recent update, Charles implemented a feature to allow artists to synchronise their audio tracks from SoundCloud and Deezer using their public API's, allowing these to be played from a custom audio player on the MIA website. These tracks form the core of their [Music page](#). A similar feature for YouTube videos was subsequently implemented, though not using a custom player.<br><br>In April and May 2018, Charles added the 2018 Music In Africa Conference section to the site.<br><br>The website configuration is managed using the Features module. | June 2015 - Present |
| **TechSoup South Africa** | Provides support for [an old Drupal site](#) running on the [TechSoup Global](#) CiviCRM organisation and software product e-commerce platform. Currently contracted through [Phambano Technology Development Centre](#). | August 2017 - Present |
| **Economic Research Southern Africa (ERSA)** | [The ERSA website](#) was migrated from Joomla to Drupal 7. The Drupal version of the site enables the client to upload new research publications, news and events. The client can also easily create a MailChimp newsletter from the latest publications and send this to their subscribers from within MailChimp.<br><br>Ongoing monthly maintenance, new features and support was provided. Google Analytics reports and recommendations were provided twice yearly. | August 2012 - November 2017 |
| **SANGONeT** | Development of the [NGO Pulse portal](#). This site was initially migrated from a Joomla site to a Drupal 5 site. It was upgraded to Drupal 6 in 2009, and made considerable use of Organic Groups and Panels for content organisation | July 2008 - Present |

and display. Ubercart integration allowing users to purchase ads on the site, as well as emails that get sent out via Everlytic, a local bulk email provider. Varnish was installed on the server to improve performance.

The website has just been moved to Drupal 7. I was not involved with the design of the new site – my responsibility lay in the migration of the content. I used the Migrate, Migrate Drupal to Drupal modules and Drush to migrate the content to a clean Drupal 7 install.

Have been doing less and less work on this site due to changes within the organisation, and my desire to shift focus to Drupal 8, but do occasionally perform security updates for the NGO Pulse site and their 2 other  Drupal sites: http://www.tipfuxeni.org.za/, and http://prodder.org.za/.

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| **Cape Town Green Map and Joburg Green Map** | Maintained both the Cape Town Green Map and Joburg Green Map websites. Both are Drupal 6 sites which incorporate Google maps to map green locations in Cape Town. The client has the ability to add news items, blog posts, photos, events, tips, links and more. The home page is automatically populated with the latest news and events, while a random header image is displayed each time the page is loaded. Users can submit 'Green Events' and 'Green Tips' for publishing on the site once approved. Facebook is used for comments instead of Drupal's built in comments.

The Joburg Green Map website was duplicated from the Cape Town site and as such has mostly the same functionality.

Both sites currently have budget constraints and as such have not been updated in some time. | April 2009 - 2015 |
| **Ikamva Lisezandleni Zethu** | Ikamva is a South African non-profit organization focused on the empowerment of youth through education, e-literacy training | March 2011 - June 2017 |

and career guidance. The [Ikamva Youth](#) & [Ikamva Youth Zone](#) sites provide support for this vision.

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| **GCRO** | [No longer Drupal but left for reference] The academic focused [GCRO website](#) allows the client to communicate their work to stakeholders and the public in general. The site was initially developed using Drupal 6, but upgraded to Drupal 7 in 2013. The Zen 7.x-5.4 theme was used as a basis for the Drupal 7 theme creation, and SASS and Compass (plus Zen Grids) were used too.<br><br>The site made use of the Lightbox 2 module for displaying image slideshows (for example: on the [Gallery page](#) and [Vignettes page](#) ), while the home page slideshow was set up using Nodequeue, Views Slideshow and Imagecache modules.<br><br>The client did not have the budget for a responsive site. | July 2009 - August 2015 |
| **The Peer to Peer University (P2PU)** | Took over as lead developer for this Drupal based open education project which allowed anyone to create and participate in courses directly on the website. The site made heavy use of Organic Groups and Panels, Forums, as well as the Context module. Responsibilities included adding of new features, general maintenance, project management with the use of a case tracker (Open Atrium), and managing the work of a second developer. The site has since moved to Django, and the focus of the organisation has shifted to "Learning circles", but the archived Drupal site still exists at [http://archive.p2pu.org/](http://archive.p2pu.org/) | July 2010 - July 2011 |
| **Lawyers for Human Rights** | Drupal 6 based content management system allowing the maintaining and growing of project related resources, including cases, judgments, policies and publications. Photo, video and audio upload and display functionality recently added. | August 2007 - Present |

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| **Forced Migration Studies Programme (FMSP)** | The Forced Migration Studies Programme (FMSP)is an internationally engaged; Africa-oriented; and Africa-based centre of excellence for research and teaching that helps shape global discourse on migration aid and social transformation. The site was created using Drupal 6, based on the Acquia Drupal distribution. This is an information rich website which serves to showcase the areas the FMSP is involved in, their research, news, events, and the courses they offer. An "intranet" component using organic groups allows the staff and students access to private materials and content. We also use the Biblio module for capturing and displaying academic publications. | August 2009 - Present |
| **Antfarm** | Drupal maintenance, security updates and new features for http://www.antfarm.co.za/. | April - September 2014 |
| **Euro Area Business Cycle Network (EABCN)** | Conversion of existing custom built CMS to Drupal. New system allows people to apply for organisation membership, which if approved (after passing through a custom workflow path) will enable the person to upload new research papers, and update their research profile details on the site. Members are also allowed to create events and to download additional research data. http://www.eabcn.org/. | July 2008 - June 2009 |
| **Sylvia Gibbons Properties** | Drupal 6 maintenance and security updates for http://sylviagibbonsproperties.co.za/. | January 2013 - December 2018 |
| **Jackal Creek Rewards** | Website for Montagu Properties enabling users to register and recommend potential property buyers to the company. Workflow system enables the processing of these referrals and the automated assigning of rewards based on number of successful referrals. Client can track all stages of a referral, and can download composite referral data in excel format. | June - July 2008 |

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| **ComMark Trust** | Converting existing website to Drupal and adding new functionality: involves providing wireframes of the entire new site, creation of new content types and associated templates, conversion of design into a Drupal theme, creation of multiple views to display the content, a small workflow component for processing and tracking funding applications, and providing training to the client in the management of the content. Final website will display ComMark programmes and projects with associated publications, news and events, as well as allow project implementers to track funding applications, and submit regular project documentation. | February 2008 - 2009 |
| **Women'sNet** | Providing Drupal consulting support and specialized Drupal development. Specific tasks include converting new design into a Drupal theme, training an intern in taxonomy(categories), views and CCK modules (and  Drupal concepts), creating a custom newsletter module that will plug in to the simplenews module so that content items may be selected for inclusion in a newsletter.<br><br>Due to changes in the organisation, the site has been converted to a static archive here http://womensnet.org.za/ | February 2008 - July 2013 |
| **Montagu Homes** | Property website to enable the adding of new property developments (including all associated materials such as architect site plans and layouts), news and to maintain other static website content. | November 2007 - 2009 |
| **Cooperative and Policy Alternative Center (COPAC)** | Drupal based content management system allowing for the adding of news, events, publications and links by the site administrator. Automatic resizing of images is performed, and all content automatically appears in the correct place on the website. | September 2007 - January 2008 |
| **St Luke's Orchards Anglican Church** | Website for St Luke's Anglican Church where they are able to add news, events, staff members, images and other content to their website. In other words, they have complete | March 2007 - 2010 |

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| | control over all content on the site. Has a nice flash slideshow on the home page to draw attention to important areas of the site. | |
| **No Lonely Pets** | Pet friendly website which allows accommodation owners to add their own listing to the website. Developed custom modules for retrieving and displaying relevant accommodation information. | July 2007 -2012 (site currently not online) |
| **SANGONeT** | Provided Drupal skills training. | January 2007 |
| **WITS Sociology Work Unit** | Drupal based Content management system allowing the client to manage website content, including: staff, news, publications and events. | November 2006 - February 2007 |
| **Trade & Industrial Policy Strategies (TIPS)** | Drupal 6 information rich site. Site administrators can add publications, events, staff members and news. Developed a custom module that allows for the displaying of certain publications. Developed custom forms for event registration. This site was unique in that it involved transferring content from a SQL server database into the Drupal (MySQL) node, taxonomy and CCK content system. I am on a monthly retainer contract for support and maintenance services. | August 2006 - August 2014 |
| **Labournet** | PHP programming work on their Customer Management System, including the creation of a Case management and billings system. Also provided a basic integration between LDAP and their website user system. | May 2006 - March 2008 |
| **SADC Trade** | Drupal 6 based content management system information portal for publications, news and events related to trade in the SADC region. | Feb 2006 – August 2014 |
| **St Mary's School** | St Mary's School Waverley's junior, senior and alumni school websites. The school can update all site content from a password protected administration section of the site. School can upload documents and images, and have the ability to keep the site regularly updated. Site created using Joomla Open Source CMS. Contains calendar of events and powerful gallery components. Gallery allows | July 2005 - August 2010 |

uploading of photos over the web and automatically resizes and creates thumbnails. Provide ongoing support and training when required.

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| **Oxfam Southern Africa: Nokwazi** | Community portal website powered by the Drupal content management system. The site is only accessible to registered users, who once logged in can post new articles, participate in the forum and upload documents (word, pdf etc.). | January 2005 - June 2007 |
| **Fedprop Property Services** | Company content management website, done in DotNetNuke. Site administrator(s) have complete control of all website content, and the permission system allows setting up of different users to update different parts of the website. Home page incorporates flash animation. | October 2005 - January 2006 |
| **South African Police Services** | Design, development and implementation of custom content management website with database integration. Features include user registration, password based login, dynamic site generation, search engine, user tracking and logging.  Site statistics viewable online. Separate login for site administration from which all content can be updated via the web browser.  Site developed using PHP and MySql. | Oct 2002 - Feb 2003 |
| **St. Barnabas College** | Design, development and implementation of school website.  Including all site maintenance, updates and forms processing.  Currently upgrading site to incorporate an online database for web based update of alumni details, as well as content management of the department web pages. | Jan 2002 - May 2006 |
| **Regional HIV/AIDS Program Southern Africa (RHAP)** | Development of and maintenance of research based website. Responsibilities included the development of a dynamically generated content relevant, database-backed website. | Oct 2000 - Jan 2007 |
| **Cube Music** | Development and full design of company website including Macromedia Flash splash page, graphic design (including logo), audio section.  Audio section allows for the download | June 2002 - Sept 2002 |

and live streaming audio in several of the most popular compressed formats.

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| **Church of the Province of Southern Africa HIV/AIDS Strategic Planning website** | Design, development and implementation of 30 page website, including integration of all graphics, navigation and external documents. | Nov 2002 - Feb 2003 |
| **Into the Limelight** | Design, development and implementation of company website using flash, JavaScript menu systems and password protected website folders. | Aug 2002 - Sept 2002 |
| **The Policy Project** | Development of multiple multimedia presentations in PowerPoint, including audio editing, animations, music composition and audio-visual synchronisation. | April 2002 - April 2003 |
| **Strategy and Tactics (S&T)** | Prepare and publish online and email version of the company newsletter on a quarterly basis | Aug 2001 - 2008 |

*Charles Tanton Curriculum Vitae*