
Charl Joseph Mert

Software Engineer

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SKILLS

I have been exposed mostly to full stack PHP projects using frameworks like Zend Framework 2, Laravel 5.3, CakePHP, Symfony, Drupal, Codelgniter and Chisimba on backends like Mysql and Postgres. I've extended the select2 jQuery plugin to provide tree view navigation. I can do desktop/mobile/tablet 2d and 3d game development using libGDX (Java) which exports to Desktop, Android and IOS. I wrote and deployed a J2ME app for older mobile phones similar to the popular mxit chat app for Fontera. I am very comfortable with BASH and can take on any Python or Perl challenge, however I am still learning. I am familiar with SCRUM.

EXPERIENCE

AllworldIT (LBSD), Plumstead - *Developer*

June 2013 - November 2014

- Deployed a customized VtigerCRM for autospec.co.za
- Created a property management system for Aska based on Zend2
- Created realtime websocket flot charts for displaying usage stats for an embedded traffic shaper written in perl
- Amended WHMCS billing platform to provide postpaid and prepaid billing. WebAfrica sourced these features from us for their WHMCS instance.
- Created WHMCS discrepancy report which compared our statements to what was reported by Vodacom.
- Created WHMCS Credit Notes feature for WebAfrica.
- Created an SMRadius Management module for WHMCS which consumed REST services exposed by a CakePHP instance.

Mira Networks, Helderview - *Developer*

June 2012 - November 2012

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- Wrote a lotto sms service which sent lotto results to mobile subscribers.
 - All work was deployed to Amazon instances.
 - Maintained and developed the unsubscribe app written in Symfony backed by Postgres. This app deregistered MSISDN or cell phone numbers from services.
 - Maintained and developed the app responsible for creating premium rated short code services.
 - Maintained and developed our content platform running on Symfony / Mysql. Subscribers would get their content from pages created here.
 - Maintained and developed for dieson.mobi including python scripts for parsing xml for news items and publishing them to the wordpress site.

Rocketseed, Newlands - *Developer*

October 2010 - May 2011

- Maintained and developed drupal modules to enable management of resellers as well as the ability to manage email brand templates.

Software Engineer, KnowledgeTree - *Software Engineer*

January 2010 - December 2010

- Was part of a team that made use of the SCRUM methodology to deliver scheduled releases of the Document Management System.
- Amended the community edition to include extra widgets
- Attended to support requests regarding the community edition as well as the hosted instances.
- Implemented Apache Solr exposed via REST on Amazon instances.
- Used jodconvert to export documents to multiple formats supported by open office.
- Used apache poi to extract metadata for documents.
- Document conversion jobs were queued using Amazon SQS and Stored on Amazon S3. Consumed Amazon services from PHP and Java.

University of the Western Cape (FSIU), Bellville - *Senior Developer*

October 2008 - December 2009

- Coordinated and lead the development from static to dynamic PHP system which ran on Chisimba for the UWC Portal www.uwc.ac.za.
- Contributed many modules to the Chisimba framework including phpunit, web workflow, web parts, library search (federated search), library exams, ad banner etc.

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- Amended the skin engine to allow Chisimba sites to be more expressive.
 - This included a JavaScript abstraction layer which allowed developers to contribute their favourite frameworks including jQuery, ext3js, prototype and mootools.
 - Maintained sub projects like dbbs.uwc.ac.za, hivaid.s.uwc.ac.za and avoir.uwc.ac.za

Fontera, Greenpoint - *Developer*

Jan 2006 - September 2008

- Developed Fontera's internal web based reporting system using PHP 5, MySQL, Firebird and excel VBA Script. This system prepared reports that were sent to the providers for billing purposes.
- Built a J2ME XMPP chat client for mobimii.com similar to mxit.
- Maintained and developed bulktxt.com website.
- Wrote Iveri.com payment gateway integration into bulktxt.com credits purchasing.
- Developed PropertyTXT: Mobile Property Listings Website with associated SMS message routing and content services using PHP, XHTML-mobile profile and MySQL for Apartments.com (m.apts.com)
- Developed Mobile Classifieds with SMS Messaging for Houston Chronicles (chron2go.com), BHI Mobile (nhs2go.com), New Jersey Star Ledger (nj2go.com).
- Wrote property listings upload Webservices for Vered Real Estate in php4 and upgraded to php5.

MESAfrica (PetroSA), Mossel Bay - *Developer*

Jan 2005 - Dec 2005

- Designed & Developed mesafrica.co.za website (Joomla).
- Performed various tasks on the following systems: Plant Information System (PI), Saco (Time & Attendance/Access Control System), Standby System, Bentley CAD license server management.
- Designed and deployed Java Tomcat + Axis Web Services for DHL's Building Contractor Management Information System, Designed MESAfrica electronic business card (Flash + CD Autorun).

Enterprise Commerce Systems (PetroSA), Mossel Bay - *Associate Systems Engineer*

Jan 2003 - Dec 2004

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- Siemens Helpdesk Support Operator providing support to over 2500 Windows based clients.
 - Hardware Support Technician.

EDUCATION

Prestige College, Bellville - *ITNIS*

Jan 2002 - Dec 2002

Point High, Mossel Bay - *Matriculated*

Jan 1996 - Dec 2001

References

LBSD, Nigel Kukard - 082 333 3723, nkukard@lbsd.net

LBSD, Natalie Kukard - 072 333 3724

KnowledgeTree, Jarret Jordan - 083 397 3738, 2111279@gmail.com

KnowledgeTree, Renen Watermayer - renen@knowledgetree.com

UWC (FSIU), David Wafula - 072 776 3724

UWC (FSIU), Abdul Hadi Fakier - 071 889 2514, afakier@uwc.ac.za

Fontera, Leonard Cooper - leonard@fontera.com

Honey Badger, Charles Oertel - charles@honeybadger.net

MESAfrica: PetroSA, Rubin Boer - rubin.boer@petrosa.co.za

Enterprise Commerce Systems, Rubin Boer - rubin.boer@petrosa.co.za

Blog

<http://charl.faceclues.co.za/blog/>

jQuery Plugin

<http://charl.faceclues.co.za/select2gtree/>