



HR

Advance

CURRICULUM VITAE

MANDLA PHILLIP MTOMBENI

SENIOR TECHNICAL LEAD PROGRAMMER / DEVELOPER

PERSONAL PARTICULARS

SURNAME	Mtombeni			
FIRST NAME	Mandla Phillip			
COMMONLY KNOWN AS	Mandla			
LANGUAGES	PROFICIENCY	SPEAK	READ	WRITE
	ENGLISH	GOOD	GOOD	GOOD
	AFRIKAANS	GOOD	GOOD	GOOD
	SESOTHO	GOOD	GOOD	GOOD
	SETSWANA	GOOD	GOOD	GOOD
	ZULU	GOOD	GOOD	GOOD
	XHOSA	GOOD	GOOD	GOOD

QUALIFICATIONS

QUALIFICATION	INSTITUTION	YEAR
BSc Honours Computing Degree	UNISA	2019
Postgraduate Diploma in Business Management or Honours	Regenesys Business School	2015
BSc Computer Science Degree	University of Free State	2005
Matric	Thuto Tiro Comprehensive School	1998

COURSES TAKEN HONOURS IN COMPUTER SCIENCE

1. Software Project Management
2. Software Engineering
3. Human Computer Interaction
4. Information Security
5. Enterprise Architecture
6. E-Learning Concepts and Principles
7. Research Methods and Proposals
8. Honours Research Report

POST GRADUATE COURSES TAKEN

1. Financial Management and Management Accounting
2. Economics
3. Marketing
4. Organizational Strategic Planning and Management
5. Human Resource Management
6. Business Ethics and Corporate Governance
7. Fundamentals of Research

COURSES TAKEN (MBA)

1. Information and Knowledge Management
2. Operational and Supply Chain Management
3. Managerial Economics
4. Strategic Management
5. Strategic and Change Management
6. Leadership and Human Capital Development
7. Governance and Sustainability
8. Global Political Economy

SUMMARY OF SKILLS

1. Training Only
2. Limited Practical Experience
3. Thorough Practical Experience
4. Extensive Practical Experience

ARCHITECTURE DESIGN PATTERNS	MONTHS	LEVEL
Building Concurrent Applications with the Actor Model in Akka.NET	24	4
Clean Architecture - Patterns, Practices, and Principles	86	4
Domain-Driven Design Fundamentals	80	4
Encapsulation and SOLID	99	4
Software Architecture Fundamentals	96	4
SOLID Principles of Object Oriented Design	98	4
Code review	80	4

PROGRAMMING LANGUAGES	MONTHS	LEVEL
Visual Studio	100	4
ANACONDA	6	3
POWERSHELL	30	4
VB SCRIPTS	24	4
C#.NET,	99	4
C++	99	4
VB.NET	60	4
Crystal Reports	32	4

BizTalk	24	4
WCF, Web Services	60	4
Angular with TypeScript	36	4
JQuery	100	4
KnockoutJS	30	2
AngularJS	40	4
LINQ	80	4
Advanced Unit Testing	99	4
WPF	24	3
Actor Model	12	2
Delegates	90	4
XAML	24	3

PROGRAMMING LANGUAGES INTERNET	MONTHS	LEVEL
HTML5	60	4
PYTHON	6	3
JavaScript	99	4
XML	40	4
ASP.Net	99	4
ASP.NET Core	36	4
CSS	96	4
XHTML	96	4
MVC	40	4
API	24	3
WebRTC	12	2
MVVM	12	3
XSI	75	4
BOOTSTRAP	40	4

DATABASE ENVIRONMENT	MONTHS	LEVEL
MS SQL Server	99	4
POSGRES SQL	6	3
T-SQL	100	4
Database Design	99	4
Database Fundamentals	99	4
Querying with Transact-SQL	99	4
Relational Database Fundamentals	99	4
Access	50	4
SQL Server Stored Procedures	96	4
SQL Queries / Sub Queries / Cursors	96	4
Microsoft Reporting Services 2008 and above	99	4
Oracle	80	3
SSIS	99	4
SSRS	99	4
Warehousing and BI	99	4

FRAMEWORKS & SERVICES	MONTHS	LEVEL
.Net Framework 3 and above	60	4
DJANGO Framework		
Microsoft IIS	75	4

SOFTWARE PACKAGES	MONTHS	LEVEL
Visual Studio 2010 and above	60	4
Microsoft Team Foundation Server (TFS)	96	4
Microsoft Patterns & Practices	80	3
Microsoft Enterprise Library	75	3
Mobile Application: Mojo	60	4
Mobile Application: JQuery	24	4
SharePoint Administration 2013	24	3

APPLICATIONS	MONTHS	LEVEL
Desktop / Application Development	38	4
Web Development	96	4

METHODOLOGIES / CASE TOOLS	MONTHS	LEVEL
Agile methodologies	80	4
N-Tier Development	60	4
Object Oriented Programming (OOP)	96	4
Service Oriented Architecture (SOA)	70	4
UML	96	4
Use Cases Responsive Design	96	3
ERD	96	4
Microsoft Visio	80	4
Design Tools	96	3
Debugging Tools	96	4

Configuration Management Tools	70	2
Troubleshooting Skills	70	3

SDLC(Software Development Lifecycle)	MONTHS	LEVEL
User Requirement Specification & documentation	96	4
Functional Design	96	3
Technical Design	96	4
Database Design	96	4
Test Scripts & Procedures	96	2
Development	96	4
Maintenance	96	4
integration	100	4
Application Testing (component / module / system)	70	4
Unit testing	80	4
Training Manuals	80	3
Project Management	80	4

INTERPERSONAL SKILLS / REPORTING	MONTHS	LEVEL
Documentation	96	4
Advanced written and verbal communication skills <ul style="list-style-type: none"> • Within Team • With Clients / Users • With Management 	85	4
Client Relationship <ul style="list-style-type: none"> • Formal • Informal 	85	4
Resolve Issues and work under pressure	90	4
Knowledge Transfer	95	4
User Support	96	4
Effective leadership and Analytical skills	70	4

Project Management	MONTHS	LEVEL
User Requirement Specification	96	4
End to end testing	96	4
Training Manuals	80	4
Project Management	80	4
Comparative report	48	4
Project evaluation,project planning	50	4
Software effort estimation	50	4
Activity planning	48	4
Risk management	48	4
Resource allocation	48	4
Monitoring and control	48	4
Managing contracts and resources	48	4
Working in teams	48	4
Budgeted project expenditures	48	4

Total Quality Management	48	4
CMMI: Capability Maturity Model Integration	48	3
OPM3: Organizational Project Management Maturity Model	48	3
P3M3: Portfolio, Programme and Project Management Maturity Model	48	4
CPM network(activity-on-arrow diagram)	48	4

Source Control	MONTHS	LEVEL
Team Foundation Server	80	4
GITHUB	96	4
SVN	40	3

CAREER HISTORY

EMPLOYER	POSITION	EMPLOYMENT DATES
WESBANK/ZANDE	Senior Lead Developer	01/11/2017 to Current
Exponent	Technical Lead Developer	01/09/2014 to 31/10/2017
University of Johannesburg	Senior System Integrator	01/05/2012 to 30/08/2014
Highveld PFS (EOH) consulting at Standard Bank	Senior Software Developer	01/05/2011 to 30/04/2012
Sita consulting at Department of Basic Education	Software Developer	01/11/2009 to 30/04/2011
Belay Enterprise Solution	Software Developer	01/01/2007 to 30/10/2009
Medikredit integrated Healthcare Solutions	Data Administrator	01/01/2006 to 30/12/2006

EMPLOYMENT HISTORY

Company Name:	WESBANK /ZANDE
Dates Employed:	01/11/2017 TO CURRENT
Position:	SENIOR LEAD DEVELOPER
<p>Responsibilities:</p> <ul style="list-style-type: none"> Currently a Python, C# & C++ (2017) Developer, C# 6, 4.5 and .Net 4, Report Services(SSRS and MS Charting), MS SQL 2008 , T-SQL, SQL Server, Visual Studio, , batch files,VB scripts,PowerShell,MVC,NODEJS,JAVASCRIPTS I am currently on wesbank project called FleetActive where external clients like UBER can purchase vehicles .The client requests a quotation from the system then once the client is happy with the quotation a deal can be generated for the client. We sell cars to external customers Day to day responsibility include coding ,writing SQL scripts, writing web servicesdesigning, developing, testing, integrating and interfacing software systems Deploy solutions and projects Train Junior developers them with the SDLC . Assist junior to create database and database tables, views, functions, cursors, temp tables and stored procedures .Help junior developers to design capturing screens using web forms. Show junior developers to deploy code on test environment and also how to use SVN source control. Assist developers about project plan and also maintaining projects . <p>Reason for leaving: On contract, open to permanent roles.</p>	

Company Name:	EXPONANT
Dates Employed:	01/09/2014 TO 31/10/2017

Position:	TECHNICAL LEAD DEVELOPER
<p>Responsibilities:</p> <ul style="list-style-type: none"> • Gather user Requirement • Creating functional specification, Technical specification, user manuals and documentation • Currently a C# & C++ (2017) Developer, C# 6, 4.5 and .Net 4, ASP.Net, HTML5, HTML, Linq, Report Services(SSRS and MS Charting), JavaScript ,Oracle database, MySQL and MS SQL 2008, • Working on mobile application for both ABSA BARCLAYS and Vodacom • ABSA BARCLAYS system is called Oasis system, ABSA employees can order and request New Hardware, cabling, associated software, mobile, telecom services and equipment relocation then the manager can approve the request using the system. • Vodacom system is called RHINO which is Radio Hierarchy Integrated Network Operation system, Vodacom can be able to monitor different site using the system and they can service the Antenna, dish and check transmission • ARCHIBUS System creating and changing views, view definition wizard ,defining web views, 9040_Drawing_Views ,XML, defining data sources ,defining panels, defining actions, defining layouts and assemblies, data binding ,assembly attributes, tree panels ,tabbed views, virtual fields and tables ,working with java script, custom user interface elements using HTML, create panel edit form with pop-up dialog, view definition wizard • Exponent Leave System Management: Applying for leave can be done online by employees themselves where they will be able to see their current leave balance for the type of leave they are applying for as well as the availability of other employees in his department for that same period via the graphical leave calendar. Leave applications will go through an approval process that can be configured per leave type. Any action performed on a leave application will automatically generate and send an email notification to all people involved. Advanced reporting functionality is also available online and via the Windows application.It is required that the Employee and all participants be registered as Users on the system prior to leave application process therefor a User Administration process is required.They can easily apply for a leave and select the amount of hours, day or months.Employee can upload supporting documents without physically handing it to the managers or HR managers such as university documents or sick notes when they apply for leave. Employee can able to view their own history of leave and how much leave they left with. • Day to day responsibility include coding ,writing SQL scripts and writing web services • Recently consulted at Metrorail created intranet and also worked train system schedule • Passengers can view train schedule, the technologies that I used at Metrorail include LINQ, LAMBDA EXPRESSION, MVC,HTML5 and BOOTSTRAP, Oracle database, MySQL MS SQL 2008 and web services,, Deploy solutions and projects • Train Junior developers and interns help them with the SDLC ,teach junior developers to write functional and technical specification ,to gather information. Assist junior to create database and database tables, views, functions, cursors, temp tables and stored procedures .Help junior developers to design capturing screens using web forms, test using unit test on visual studio 2015 Framework 5.0.Show junior developers to deploy code on test environment and also how to use TFS source control. Assist developers about project plan and also maintaining projects . <p>Reason for leaving: Change and exposure to different technologies.</p>	

Company Name:	UNIVERSITY OF JOHANNESBURG
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Dates Employed:	01/05/2012 TO 30/08/2014
Position:	SENIOR SYSTEM INTEGRATOR
<ul style="list-style-type: none"> Was a C# and C++(2012) developer and use SSIS, C# 4.5 and .Net 4, ASP.Net, web services, HTML5, HTML, Linq, Report Services(SSRS and MS Charting, JavaScript ,Oracle database, MySQL, Toad and MS SQL 2008. Normally deploy solutions and projects. Day to day responsibility include coding, writing SQL scripts and writing web services. Responsible for Full SDLC development of software applications; Report Services(SSRS) and developing UI websites and windows application and also maintaining them. Train Junior developers and interns help them with the SDLC ,teach junior developers to write functional and technical specification ,to gather information. Assist junior to create database and database tables, views, functions, cursors, temp tables and stored procedures .Help junior developers to design capturing screens using web forms, test using unit test on visual studio 2015 Framework 5.0.Show junior developers to deploy code on test environment and also how to use TFS source control. Assist developers about project plan and also maintaining projects . Logging defects, Release and Deployment. Manage end to end release process. Communicate with clients,test and development. Roll out planning including method of deployment. Signs off the specification for implementation. Write documentation and communication, and technical release notes. Provide feedback on the effectiveness of the release. Produce release plans. Negotiate, plan and manage all release activities. Communicate release details and schedules to the business as required. Manage risks and resolves issues that affect release scope, schedule and quality . <p>Responsibilities include:</p> <ul style="list-style-type: none"> Development of UJ intranet 	

Responsibilities Continued:

- Content Management using SharePoint
- Analyze data and Implement solutions
- Responsible for database development
- Creating tables; stored procedures and views
- Develop SSIS application using c#
- Read xml files and excel files apply business rules; create stored procedures and export data from xml and excel files
- Create output files from SSIS application
- Responsible for development of web services
- Develop using SharePoint 2012 and ASP.NET
- Deploy solutions using IIS
- Communicate with clients, test and development.
- Roll out planning including method of deployment.
- Creating functional specification, Technical specification and user manuals
- Signs off the specification for implementation
- Write documentation and communication, and technical release notes.
- Provide feedback on the effectiveness of the release.
- Produce release plans.
- Negotiate, plan and manage all release activities.
- Communicate release details and schedules to the business as required.
- Manage risks and resolves issues that affect release scope, schedule and quality;

Below is the list of websites he created:

- <https://student.uj.ac.za>
- www.uj.ac.za
- <https://student.uj.ac.za/LateEnquiryStatus.aspx>
- <http://studentservices.uj.ac.za>
- <http://regstatus.uj.ac.za/>
- <http://general.uj.ac.za/gradregistrationweek>
- <http://itselfhelp.uj.ac.za/>
- <https://student.uj.ac.za/status.aspx>
- <https://webservices.uj.ac.za/lateengservices/dataservices2.asmx>
- <https://webservices.uj.ac.za/mamsdataservices/Service.asmx>
- <https://webservices.uj.ac.za/dataservices2/dataservices2.asmx>
- http://webservices.uj.ac.za/e2007_dataservices/service.asmx
- http://webservices.uj.ac.za/UJ_student ITS_Data_ws_net3_5/service1.asmx
- http://webservices.uj.ac.za/bma_authentication/BMAAuthentication.asmx
- <http://webservices.uj.ac.za/stagingDataservices/stagingDataservices.asmx>
- <http://webservices.uj.ac.za/studentad/service.asmx>
- <http://webservices.uj.ac.za/logspactivity/service.asmx>
- <http://webservices.uj.ac.za/studentemailresetservices/service.asmx>
- http://webservices.uj.ac.za/eorientation_dataservices/service.asmx
- <http://webservices.uj.ac.za/applicationservices/service.asmx>
- <http://webservices.uj.ac.za/StudentProfileQuestionnaire/StudentProfileQuestionnaireWebService.asmx>
- <http://webservices.uj.ac.za/edulinknextgensso/service.asmx>
- http://webservices.uj.ac.za/identityAD_StudentSync/service.asmx
- http://webservices.uj.ac.za/gmail_studentsync/service.asmx
- <https://webservices.uj.ac.za/icssmsresettest/service.asmx>
- <https://webservices.uj.ac.za/ulinksso/service.asmx>
- <https://webservices.uj.ac.za/GraduationCorrespondence/service.asmx>
- <http://webservices.uj.ac.za/bandwidthservice/service.asmx>
- <https://webservices.uj.ac.za/ResidenceApplicationCorrespondence/service.asmx>
- <https://webservices.uj.ac.za/lateengservices/dataservices2.asmx>
- <http://152.106.4.244/mamsdataservices/Service.asmx>

Reason for leaving: Better career prospects and a change in industry.

Company Name:	HIGHVELD PFS (EOH) CONSULTING AT STANDARD BANK
Dates Employed:	01/05/2011 TO 30/04/2012
Position:	SOFTWARE DEVELOPER
<ul style="list-style-type: none"> • Was a C#,C++ (2008 and 2010) developer. Used SSIS, C#, BizTalk and MS SQL 2005 and 2008. Normally deploy solutions and projects and then these are deployed to BizTalk Administration Console; setup the Send Ports • Send ports contains Inbound Map; Out bound map and Filters this is where the files can be sent to • Set up the Receive Ports this contains Receive Location where file can be sent • Set up the BAM .BAM (Business Activity Monitoring) is a process where information about the messages passing through BizTalk can be recorded on a database separate from BizTalk. • Expose Schemas as WCF or Web Services • Used Message Broker Development Environment, to clear messages from the queues • Use monitoring service to monitor service and to check which services are down and the running once and we get SMS notification if services are down or failing • Use SSIS to import data from XML AND EXCEL spreadsheet to database table, create views to populate data from different table • Create stored procedures to put data in database tables for home loans or bond application at STANDARD BANK • Write batch files and run them command prompt. Have worked with web services and also worked with WPF and WCF <p>Responsibilities include:</p> <ul style="list-style-type: none"> • Communicate with clients,test and development. • Roll out planning including method of deployment. • Signs off the specification for implementation • Write documentation and communication, and technical release notes. • Provide feedback on the effectiveness of the release. • Produce release plans. • Negotiate, plan and manage all release activities. • Communicate release details and schedules to the business as required. • Manage risks and resolves issues that affect release scope, schedule and quality; <p>Reason for leaving: Contract completed/ project based.</p>	

Company Name:	SITA CONSULTING AT DEPARTMENT OF BASIC EDUCATION
Dates Employed:	01/11/2009 TO 30/04/2011
Position:	SOFTWARE DEVELOPER

Responsibilities:

- Was a VB6 programmer and C# programmer
- Designed internal and external tools using Microsoft Access and VB6 and also use C# and SQL 2005. The tools designed are used by Primary and Secondary Schools to monitor progress of the students and the performance of the teachers at schools; and he also designed tools that are used by colleges and also designed Library module that can be used to monitor the books in the library when the books are ordered or borrowed by students
- Written user manual documentation and written the functional spec, also done technical specification
- Designed windows applications and web based applications

Tools designed so far are:

- LURITS(Learner Unit Record and Information Tracking System)
- SA-SAMS(South African School Administrative Management System)
- REFORM SCHOOLS
- SNE Import Utility
- SNE Export Utility
- LIBRARY MODULE
- DEPARTMENT EMIS
- SNAP SURVEY
- THUTONG

Reason for leaving: Change in sector and better career prospects.

Company Name:	BELAY ENTERPRISE SOLUTION
Dates Employed:	01/01/2007 TO 30/10/2009
Position:	SOFTWARE DEVELOPER
<p>Responsibilities:</p> <ul style="list-style-type: none"> Was C# programmer using 2005 and 2008(Web Application),VB6; VB.Net, SQL Database, Crystal Reports ; ASP.NET Worked on different which are www.intercet.co.za, www.bettingworld.co.za and www.omnia.co.za. These are web based application he used ASP.NET for these project Was working on www.advantage.am which is financial environment, also worked on Timesheet system where employees can capture timesheets and maintain this timesheet system on daily basis. <p>Maintained the following systems:</p> <ul style="list-style-type: none"> ALPHALINK RADAR BIZTALK FINSWITCH On C#,VB.NET,SQL 2005 and SQL 2008, he worked with Schemas; Store Procedures; Creating tables; Temp tables; Table Variables; Cases ; Cursors; GRANT EXECUTE; Add icons to the menu items. ;Unions ;SQL Server Reporting Services ;Wizards ; PRINT FUNCTION; PIVOT; namespace; Web development ;Windows Application; Parameters <p>Projects worked on:</p> <ul style="list-style-type: none"> Check Funds details on Awacs (Squadron) Linking portfolio to Alpha link Radar Timesheet System Filezilla Biztalk Documentation-Technical Specification Deployment 	
<p>Other Responsibilities:</p> <ul style="list-style-type: none"> Responsibilities include creating tables, Store procedures by using SQL 2005 and 2008 Created forms and linked the forms to database by using DAL SCHEMAS which is the Data Access Link between the forms and the database Designed application ,and did testing, debugged his code and also maintained applications everyday just to make sure that they function 100% <p>Reason for leaving: Fixed term contract role.</p>	

Company Name:	MEDIKREDIT INTEGRATED HEALTHCARE SOLUTIONS
Dates Employed:	012/01/2006 TO 30/12/2006
Position:	DATA ADMINISTRATOR

Responsibilities:

- Ensure the correct data is on the nappi files so that Nappi files can be distributed to clients
- Distribution of product files to clients- medical schemes, computer vendors, paying offices etc
Loading of this information onto relevant databases (CERM and ASPO)
- Read, understand and interpret information so as to decide the best way to load the data plus the impact of this new data on the existing data and creation of reports for self checking
- Submission of these reports to Quality Assurance department for sign off Work with the all departments to resolve incidents and queries as and when incidents arise. Incidents are to be resolved as quickly as is possible

Reason for leaving: Pursued a programming role.