

Profile

Armand van der Walt

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PERSONAL DETAILS

Surname	Van der Walt
Names	Armand
Gender	Male
First Language	Afrikaans
Second Language	English

Skills Matrix

Technology	Period Used (Months)	Last Used
Development		
ASP.NET Web API	60	2016
ASP.NET MVC	60	2016
ADO.NET	54	2015
T-SQL	60	2016
Database Design and Implementation	60	2016
HTML	60	2016
CSS	60	2016
PHP	72	2016
Entity Framework	60	2016
Lambda	60	2016
Linq	60	2016
jQuery	60	2016
KnockoutJS	60	2016
RequireJS	36	2016
DurandalJS	36	2016
BreezeJS	36	2016
NodeJS	12	2013
MongoDB	12	2013
C++	22	2015
Bootstrap	60	2016
Objective-C	60	2016
Java (Android)	54	2015

Java (Desktop)	24	2010
C#	60	2016
Xamarin	12	2014
PhoneGap	60	2016
Swift2.0	3	2016
IDE's		
Visual Studio	54	2016
Eclipse	60	2014
XCode	54	2016
Android Studio	18	2015
PHPStorm	6	2016
Servers		
Windows Server 2008	48	2013
Windows Server 2012	18	2015
Microsoft SQL Server 2008	24	2012
Microsoft SQL Server 2012	40	2016
MySQL	66	2016
Source Control		
Git	60	2016
TFS	60	2016

EXPERIENCE

Projects

Al Ain Air Championships

Requirements

We had to develop a voting platform for the Al Ain Air Championships held on the 17th to 19th of December 2015. The app had to allow large amount of connections to be made, while using a minimum amount of data. The client facing app had to cache as much data locally as possible.

Solution

The solution consisted of the following:

- ASP.NET Web API
- ASP.NET MVC
- C#
- KnockoutJS as SPA – Client facing app
- SQL Server
- Entity Framework

- Azure Deployments
- ASP.NET Identity
- Database Design

AdventureBuddy

Requirements

Implement new features to an existing app.

- Magazine subscriptions
- Catch edit and delete
- What works where
- Icon updates
- Online Registration

Solution

The solution consisted of the following:

- PHP
- PhoneGap
- HTML
- JavaScript
- CSS
- MySQL

StrikeMedia

Requirements

Numerous API's and custom development around integration with their bulk SMS, USSD and competition services as required from client marketing campaigns.

Solution

The solution consisted of the following:

- ASP.NET Web API
- ASP.NET MVC
- C#
- SQL Server
- EntityFramework
- ADO.NET
- Stored Procedures
- Database Design
- API Integrations

JHBLive - Website

Requirements

We received a partially completed website for JHB Live, we were tasked to fix as much of the bugs as was needed to get the site stable enough to take it live. The site is still undergoing minor bug fixes.

Solution

The solution consisted of the following:

- ASP.NET Web API
- OData
- C#
- ASP.NET MVC
- SQL Server
- Entity Framework
- Lucene
- JavaScript
- CSS
- HTML
- DurandalJS
- KnockoutJS

ContentBar - Mobflashing

Requirements

Bug fixes to existing software used by ContentBar for their mobflashing service. Custom web site development for certain clients. Feature development as requested from time to time.

Solution

The solution consisted of the following:

- WPF
- C#
- ASP.NET MVC
- ASP.NET Web API

Calpol Mobile App – V2

Requirements

Updating the existing Calpol Mom's Helping Hand app. Includes bug fixes and 2 new features. Features are built in lullaby player and sound only 1-way baby monitor over Wi-Fi. The baby monitor section of the app had to be able to connect to both platforms from both platforms. Socket's was

used to facilitate the communication between the two devices, while the available Android SDK classes were used to record and play back audio on Android. iOS audio recording and playback was done using AudioUnits, mainly in c.

Solution

The solution consisted of the following:

- Java
- Objective C
- C
- C#
- SQLite
- SQL Server
- Database Design
- AudioUnits - iOS
- SQL Server (For emergency room data)
- ASP.NET Web API (RESTfull web service to expose ER data)

Durban July – Vodacom – Promotion Tablet Application (Android)

Requirements

Built a mobile application for Vodacom that integrates with the DJI Phantom drone to take pictures of spectators and uploads them to a web server.

Solution

The solution consisted of the following:

- Android
- DJI Drone
- ASP.NET Web API

HE said SHE said Mobile App

Requirements

We had to come up with an idea for an app that could appeal to a large target audience, the aim was to have an app that could be used as a sample as demonstration of some of the most used technologies for iOS and Android. The app we developed allows users to post questions and have the questions answered by the community, the stats of all questions can then be viewed to get an idea of what the opinion of the world is.

Solution

The solution consisted of the following:

- ASP.NET MVC
- ASP.NET Web API
- SQL Server
- Objective-C - for iOS
- Java – for Android
- Database Design

KFC – Trumps Card Game – Cricket World Cup

Requirements

We had to develop a trumps game for KFC that works on Web and USSD. The application had to allow playing against the computer and allow you to invite friends to play against you. The solution had to work in real time over a browser

Solution

The solution consisted of the following:

- JavaScript
- ASP.NET Web API
- ASP.NET MVC
- C#
- SignalR
- EntityFramework
- SQL Server
- Database Design

DSTV – This is Africa campaign

Requirements

Implementation of a DNN site for the DSTV – This is Africa campaign.

Solution

The solution consisted of the following:

- DotNetNuke
- C#
- ASP.NET
- SQL Server

Calpol Mobile App

Requirements

Develop an Android and iOS mobile application for Mom's to track the following information of her children:

- Temperature
- Dosage
- Immunisation

The app also allows for symptom and emergency room lookup.

Solution

The solution consisted of the following:

- Java
- Objective C
- C#
- Database Design
- SQL Server (For emergency room data)
- ASP.NET Web API (RESTfull web service to expose ER data)

KPMG – Mobi site

Requirements

Implementation of a DNN solution for the KPMG mobi site that should reflect the content of the main KPMG website.

Solution

The solution consisted of the following:

- DotNetNuke
- C#
- ASP.NET
- SQL Server
- WeChat CMS Builder – Strike Media

Requirements

Develop a web application that would allow Strike Media to manage the content of the official accounts of their clients. The application had to integrate with WeChat's Official Account API and respond to incoming requests. The application made use of a keyword based design that allowed the app users to setup keywords and responses for these keywords. The web application allows for the setup of custom menu items for the official account, automatic responses and event check-in functionality.

Solution

The solution consisted of the following:

- .NET Framework 4.0 Web Application
- ASP.NET MVC
- ASP.NET Web API
- SQL Server
- KnockoutJS
- DurandalJS
- BreezeJS
- RequireJS

TFG Admin Portal

Requirements

Develop additional features and fix bugs for an existing admin portal. Some of the added features was CMS like functionality to manage the content for the Total Sports mobi site.

Solution

The solution consisted of the following:

- .NET Framework 4.0 Web Application
- C#
- ASP.NET
- SQL Server

Castrol Survey App

Requirements

Develop an iPad application that would allow Castrol's survey representatives to travel the country and collect survey data by making use of iPad's that were provided to them. The app had to allow for the completion of multiple survey questions and then also calculate if the person answering the questions can win a prize and what prize that person won. The data then had to be sync to a server for reporting.

Solution

The solution consisted of the following:

- Objective C mobile application.

Impact Meter Services

Requirements

Develop a web interface for clients and potential clients to generate completed forms for application for various services including application for debit order, account transfers etc. The system has to store its data in a separate database and allow admin users to login and confirm detail changes.

Solution

The solution consisted of the following:

- SQL Server 2005 Database
- .NET Framework 4 web application
- SSRS Local Reports
- HTML
- Bootstrap
- Knockoutjs

| PartyAt

Requirements

Web interface for managing events and specials linked to vendors with a MVC Web API to allow integration from mobile devices. The system will allow users to load the details of events and specials and upload images as posters for the events and specials. The vendors will also be able to change their address and details and the system must map the address to coordinates to display on a map on mobile devices. It should then allow mobile devices to connect and access the data and keep record of all usage of the system.

Solution

The solution consisted of the following:

- iOS App
 - Objective C application for iPhone integrating with web services
- Web Interface & Web API
 - SQL Server 2008 database
 - ASP.NET MVC
 - ASP.NET Web API
 - Knockoutjs
 - HTML
 - JavaScript
 - Bootstrap

| Coltech

Requirements

Create an online portal for students on which to register for courses and additional subjects, the system will allow a student to select his/her course and subjects and then complete a registration

form which collects all required information of the student. The system will also integrate with the main system to load data if it is a returning student and it must have a admin portal to allow the people working in admin to load the registered students onto the main system.

Solution

The solution consisted of the following:

- SQL Server 2008 database
- .NET Framework 4.5 Web applicaiton
- HTML
- JavaScript
- Knockoutjs
- Bootstrap

Eaton Towers

Requirements

Web interface to manage and track all site construction and application processes. The system must allow various departments to work together from the application for the lease on a site to the point where rental agreements are made with various customers. The site will have to track the progress of permit applications, lease agreements, construction progress and sales stats.

Solution

- SQL Server 2008 database
- .NET Framework 4.5 Web Application
- Knockoutjs
- HTML
- JavaScript

DBSA

Requirements

Develop a custom system to manage all internal facilities on the DBSA campus. Allow users to make bookings on the system and view available facilities for booking and request catering/refreshments for their booking. The system should then notify all applicable parties of the booking and requirements of that booking.

Solution

The solution consisted of the following:

- SQL Server 2008 database
- .NET Framework 4.5 Web Application

- Windows Authentication
- Knockoutjs
- HTML
- JavaScript

Bosch

Requirements

Web Based CRM System to allow the management of clients and service providers. The system will track application of service stations, client service, BEE status, ESI Subscriptions, training credits, workshop details etc. The system should also be a central point for financial information. The service stations and wholesalers will also be able to book for training courses through the course booking portal and submit their financial information through their respected portals.

Solution

The solution consisted of the following:

- SQL Server 2008 database
- .NET Framework 4.0 Web application
- Simple Membership Provider
- ASP.NET

Flowgear

Requirements

Develop mobile application that integrates with existing WCF web services, Proxy .NET web service to integrate with existing WCF web service and return data in a readable way for mobile application. The app should automatically login, login tokens should be requested upon token expiry behind the scenes. The app should be a universal binary for both iPhone and iPad users. All views should be built and constructed according to XML data returned from the server.

Solution

The solution consisted of the following:

- Objective C application for iPhone and iPad
- .NET Framework 4.0 web service

SMSS

Requirements

Develop web application that integrates with SMS Messaging server to allow sending of SMS message over the SMPP protocol, also create a mobile application that integrates with the existing system. The system should allow the setup of groups, contacts, templates, auto

responses messages. Through the system the user should be able to view sent, received and scheduled SMS messages. The system will allow the user to send bulk SMS messages. The mobile application will integrate to this system through means of a RESTFUL Web API.

Solution

The solution consisted of the following:

- .NET Framework 4.0 Web Application
- ASP.NET
- MySQL
- Objective C mobile application.

Technologies

Technology	Description/Module
Microsoft SQL Server	Design Create Maintain
.NET Framework	Application Design Application Develop Application Maintain
C#	Application Design Application Develop Application Maintain
Objective C	Application Design Application Develop Application Maintain
Java (Android)	Application Design Application Develop Application Maintain
PHP	Application Design Application Develop Application Maintain
MySQL	Design Create Maintain
C++	Application Design Application Develop Application Maintain
JavaScript	Application Design Application Develop Application Maintain

Education

Certifications

Microsoft® Certified Technology Specialist

.NET Framework 4.0: Web Applications

.NET Framework 4.0: Data Access

Scrum Master Accredited Certification