**Martin Okello**

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**LinkedIn Profile** [**https://www.linkedin.com/in/martin-alex-okello-866283a**](https://www.linkedin.com/in/martin-alex-okello-866283a)

*Self-motivated web developer; who strives for total efficiency. Works well under pressure and able to priorities workload to deliver positive results within tight deadlines; a quick learner with strong written and verbal communication skills. Personal Site:* [*https://www.martinlayooinc.com*](https://www.martinlayooinc.com)

*•* [*https://github.com/martinokello?tab=repositories*](https://github.com/martinokello?tab=repositories) *•* [*https://africanfarmerscommodities.martinlayooinc.com*](https://africanfarmerscommodities.martinlayooinc.com) *ASP.net Core 3.1, Angular 8, Typescript*

*•* [*https://myfundi.martinlayooinc.com*](https://africanfarmerscommodities.martinlayooinc.com) *ASP.net Core 3.1, Angular 8, Typescript. A quick recent prototype taking most of content layout for proof of concept the client required.*

*•* [*https://simbasafaritoursv2.martinlayooinc.com*](http://simbasafaritoursv2.martinlayooinc.com)*, ASP.net MVC 6, .Net Core 2, Angular 6  
•*[*https://www.martinlayooinc.com*](https://www.martinlayooinc.com) *ASP.net MVC 5 net 4.6.1*

*•* [*https://www.unisa-weblive.martinlayooinc.com*](http://www.unisa-weblive.martinlayooinc.com)*ASP.net MVC 5 net 4.6.1*

*•*[*https://www.nemisabadgesgenerator.martinlayooinc.com*](http://www.nemisabadgesgenerator.martinlayooinc.com) *ASP.net MVC 5 net 4.6.1  
•* [*https://www.martinlayooinc.com/TeachersAssistantDeploy*](https://www.martinlayooinc.com/TeachersAssistantDeploy) *ASP.net MVC 5 net 4.6.1*

*•* [*https://www.martinlayooinc.com/EntertainmentTicketMaster*](https://www.martinlayooinc.com/EntertainmentTicketMaster) *, ASP.net MVC 5 net 4.6.1  
•* [*https://www.martinlayooinc.com/EpsilonCommuniquePortal*](https://www.martinlayooinc.com/EpsilonCommuniquePortal) *, ASP.net MVC 4 net 4.6.1*

**Technical Skills:**

| C# Win-forms:  NoSQL - Mongo  MVC 3,4 &5 C# .NET Core 2 | 4 years  2 years  5 years’  1 Year | XSLT  C++/VC++/Java  Win. Services | 1 year  3 years  2 years | AJAX /HTML /XHTML XML/JQuery:  Angular 4 to 6 | 6 years  4 years  8 years  1 year |
| --- | --- | --- | --- | --- | --- |
| C# ASP.NET 1.0, 2.0, 3.5 & 4.0 .Net Core 2 (Web forms) | 7 years  1 Year  10 Years | MSSQL Server  TSQL 2012  MongoDB  Umbraco V4 | 5 years  4 years  2 years  4 months | IIS 7/7.5  Tom Cat | 5 years  1 year |
| LINQ TO SQL ORM  ADO.NET/Entity Framework | 2 years  6 years | SQL  Umbraco CMS  SVN  Git | 7 years  3 months  2 years  3 years | Postgres Database  Oracle Database | 1 year  1year |
| TFS Versioning: | 3 years | WCF | 2 years | Javascript/CSS | 6 years |

**PluralSight Courses taken in 2018:** ASP.Net Web Api 2 Core, XAML & WPF, Angular 4 With Typescript, Microsoft Azure.

**Programming Languages:**

ASP.NET C#, Web forms/MVC, WCF, Web API, Win-forms, Java, J2EE, Visual (C#,C++), Visual Studio.net, JSP & Servlets, Struts, HTML, AJAX, JQuery, LinQToSQL & Entity Framework, ADO.NET, CSS, XML,XHMTL, JavaScript, SQL,TSQL MSSQL Server (2005/2008/2012/2014), MongoDB, Oracle9i/10g, PostgreSQL

**Operating Systems:**

Windows 98/2000/NT/XP/Vista/2008 Server/2012 Server/Windows (7, 10)/ Linux

**Microsoft & Other Applications:**

MS Word, Access, Excel, Power Point, Auto Sketch, CAD, Internet – Flash, Dreamweaver, Fireworks and Engineering knowledge of Structural Steel Analysis BS 5950: lateral torsion, elastic/plastic analysis and buckling

**Professional Member of British Computer Science Society.**

**Employment History**

**MartinLayooInc Software**

* **April 2021 to Current:**

**Working the fringes of a Swedish Based African Farmers Commodities Site. Currently in Development:**

This I am currently **developing using .NET Core 3.1, Entity Core 3.11, ASP.NET MVC C#, SQLServer Express 2014, Angular 8, TypeScript, JavaScript, JQuery, Bootstrap, HTML 5, CSS 3, and github repository** here: [**https://github.com/martinokello/AfricanFarmersCommodities**](https://github.com/martinokello/AfricanFarmersCommodities) **(**[***https://africanfarmerscommodities.martinlayooinc.com***](https://africanfarmerscommodities.martinlayooinc.com)***)***

* **December 2020 to January 2021:**

**NEMISA BADGES GENERATION Tool Test Site & C# Winforms Desktop Version** [**http://www.nemisabadgesgenerator.martinlayooinc.com**](http://www.nemisabadgesgenerator.martinlayooinc.com)**,** Strategy to generating Massive Badges volumes for Participants and winners of Events and allowing participants access to their badges downloads after event completion. An Asp.net MVC 5 App running SQL Server 2014

* **November 2020 to December 2020:**

**MOOC Block Chain Proto Type: Test Site** [**http://www.unisa-weblive.martinlayooinc.com**](http://www.unisa-weblive.martinlayooinc.com)**, Based on Stratis and Bitcoin Network, and respectively Strat Crypto Currency.**

An Asp.net MVC 5 App running SQL Server 2014 prototype to get explored and funding from South African Government.

* **August 2020 to Novemeber 2020:**

**TauElastica 3D Structual Engineering Product:**A revamp of TauElastica 2D built back in 2008 for MartinLayooInc. MartinLayooInc Enterprise RSA Premium Suite – New Release.

**Revamp of Epsilon Communique Churra** version of Messaging App based on newly thought out Encryption Procedures. Lists of main Products under Licensing integration can be found on site at: [**https://www.martinlayooinc.com/Home/TestTrialDownloads**](https://www.martinlayooinc.com/Home/TestTrialDownloads)

* **June 2018 to July 2019:**

**(Teachers Assistant Web App Plus Revamp of Entertainment Ticket App)**

**Teacher Assistant Test Site:** [**https://www.martinlayooinc.com/TeachersAssistantDeploy**](https://www.martinlayooinc.com/TeachersAssistantDeploy)

**Entertainment Ticketing App Revamp Version 2 Test Site:** [**https://www.martinlayooinc.com/EntertainmentTicketMaster/Home/Index**](https://www.martinlayooinc.com/EntertainmentTicketMaster/Home/Index)

Teacher Assistant is an online application that allows Teachers be it Colleges, Universities, or Schools to engage in teaching online. Built on **ASP.net MVC 5, Entity Framework 6, and C#.Net** **with SQLServe2012** Entertainment Ticketing App: allows Ticketing Vendors to manage the work flow involving ticketing events in an automated format unlike traditional ticketing. Built on **ASP.net MVC 5, Entity Framework 6, and C#.Net with SQLServer 2012**

* **Sept 2017 to June 2018:**

**(Built Simba Safari Tour Operator Site for East African Safari Tours (Test Site:** [**http://www.simbasafaritoursv2.martinlayooinc.com**](http://www.simbasafaritoursv2.martinlayooinc.com)**)**

Built this with **Angular 4, Typescript, .Net Core 2, with ASP.net MVC 6, Entity Framework Core 2.0.1 on top of SQL Server 2012,** and had to learn the technology as it was all new to me. This allowed Simba Safari Tour Operators in East Africa to engage in sales of Safaris in East Africa.

* **Aug 2017 – Sept 2017:**

**Building a Safari Tour Operator** Site to enlist World Wide buying of Package safari tours in East Africa. **Using Asp.Net Core 2 MVC 6, Web Api Core 2, Angular 4 to 6, Typescript and Javascript, JQuery, HTML5, CSS3, And C# with Sqlserver Backend & Entity Framework Core 2.2.1**. Currently this is at my github account: [https://github.com/martinokello/SimbaToursEastAfricaV2](https://github.com/martinokello/SimbaToursEastAfricaV2%20) (MVC6) repository. Work in progress for a new Client. Full dev life cycle end to end – Full Stack. Simba UAT Test site, with both Admin and Normal usage under ASP.net Membership and Roles integrated and deployed here: <http://www.simbasafaritoursv2.martinlayooinc.com>

* **Other Areas Worked On:**

Revamped my site:<https://www.martinlayooinc.com> **to MVC 5, C#**, and upgraded the Chatting App on it ([http://www.martinlayooinc.com/Adhoc/PublicChat),](http://www.martinlayooinc.com/Adhoc/PublicChat) **removing legacy WCF elements, and progressing it to Web Api 2, with Front End JQuery, Javascript and Ajax Single** Page App.

* **Extended functionality on two products**: Epsilon Communique Churra with reinvention of **amalgamation of a 316 bit Mutating Padding RSA crypto system to enhance power in encryption to prevent security breaches – persisting these keys to SQL Server and Filesystem under** password. **TDD** approach helped iron a lot of bugs in BigInteger Arithmetic Engine.
* **Integrated the same RSA 316 bit Infinito CryptoSystem** to another product bringing together 3 products under one umbrella **naming it Mutable Uber CryptoSystem**, also sold under [www.martinlayooinc.com.](http://www.martinlayooinc.com)
* Working on maintenance of a range of legacy Engineering/Cryptography Software in ASP.net **C#.NET 3.5 Winforms/Java: using ADO.net, Entity Framework, Membership and Identity, TSQL,** **WCF, Web Services, JQuery, CSS, XHTML and XML, AJAX**.
* Integrating and Extending Capabilities of EpsilonVPN Messaging Solution Network Software
* Updating main product site and Upgrades on Products: main site maintenance include both front and back end. Also scoping future development with integration **of .NET 4.0 and MVC 5 for Epsilon Communique Management Portal.**

**Kantar Media TGI**

**May 2015 – July 2017**

• Web Developer working with Kantar Media TGI. Technologies include C# MVC 4.0/5, Web API 2.0, JQuery, HTML 5, CSS 3, Mongo DB, JavaScript, SQLServer, NoSQL, TSQL.

• Now on the 3rd month, and already worked with new Technologies to me; which include the conversion of a C++ COM library to C#, Python, MongoDB and VBA Script and Macros integration with Excel Spreadsheets, as well as working on a Linux Centos OS using Python scripts. Enjoying the challenge of each task and learning on the fly.

• Lately I have been developing a C# Console application that I converted into a Windows Service, that integrates MongoDB and SQLServer content merging them dynamically seamlessly and pushes into Logs into another MongoDB Collection. Made 3 approaches, at it using Entity Framework 6.1 to draw data from SQLServer, then another where I queried an Amazon Authentication Services XML using Linq to XML, and yet another that calls a WCF Service to get to a Live SQL Database, with consideration for Interfaces, and adapter pattern. Now I can switch in one line of code, between the preferred method of implementation giving me great flexibility.

• Working with MongoDB, and developing further skills on MarsMedical App and writing an app that pulls info from WebServices feeding the MarsMedical App and generating Excel reports on the fly - a very challenging task - reports that span thousands of spreadsheet rows while generated from XSLT/XML conceptual aspects, at the same time, tackling problems such as timeout operations and intensive I/O; and the operation times in hours, accruing a full report over entities such as Audiences, Media and Specialties. Pulling from multi-webservices, data.

• Taking ownership of MarsMedical with a list of American clients and supporting it fully doing upgrades to ensure latest versions meet Client requirements with SQL Server 2012 as the backend Data store.

• Currently developing a Visual C++ MFC App that extracts various expressions from a Survey Oriented Product (Choices), and generates reports for Managers to manage marketing campaigns. Connects to MongoDB, and reads expressions, while climbing a hierarchy of survey data. The data is extensive, and is written as a report onto the filesystem as CVS.

**MartinLayooInc Software (Freelance work)**

**January 2014 – November 2014**

* **Dec 2014** – Sabbatical – **intense course learning TSQL coding (MSSQLServer 2012)**
* Upgraded site from traditional ASP.net web forms to MVC 4 C#, WCF Razor and Entity Framework. Upgraded and bug fixed essential components using visual studio 2013.NET 4 for [www.martinlayooinc.com](http://www.martinlayooinc.com) also code samples: <https://github.com/martinokello?tab=repositories>
* Upgraded Epsilon VPN Communique Client adding Delegate invocation to release UI threads and marshaling back from the background thread.
* Integrated Facebook feeds to AboutUs page using Facebook Graph API and naked C# code base.
* Developing Entertainment Ticketing Application found here: - <https://www.martinlayooinc.com/EntertainmentTicketMaster> : MVC 5, Entity Framework 6, ASP.net C# SQLServer 2012: GitHub repository: <https://github.com/martinokello/EntertainmentTicketMaster> **(TDD)**
* Implementing SEO – search engine optimization for http://martinlayooinc.com with keywords.

**RFL:** completed upgrade projects, actively seeking permanent employment

**University Of West London**

**ASP.net C# Web Developer**

**October 2013 – December 2013**

* Developed a Web application using MVC 4.0 and Razor for the Center for Employment, Employee, Engagement (MVC portal) allowing students and Employers to interact with each other over opportunities for future prospects.
* Worked with core SQLServer C# ASP.net MVC 4.0, Jquery, CSS, AJAX, HTML and Razor, the project is a fresh green field project.
* Integrated the Data access library using Entity Framework and LINQ and extending the relational tables to meet the criteria set for the different Opportunities and Registration.

**RFL:** role developed to focus on SharePoint rather than ASP.net development.

**Macmillan Cancer Support**

**ASP.net C# Web Developer**

**September 2010 – September 2013**

* Developed Community Phase 2 project with consultation with True Clarity - an outside company - to integrate various missing aspects to the community site: community.macmillan.org.uk. This was based on elaborate and bespoke requirements; the project was a success
* Developing Social Media Tools project to engage user experience on Facebook and Twitter as well as Telligent Community's Blog and Forum feeds into Macmillan's main site using community server REST API and XSLT plus ASP.net C# and SQL Server 2008. Also incorporating Funnel Back Search of Community into agreggated feeds for composite search exposing feeds via an MVC 4.0 application and using Team Foundation
* Developed Macmillan's online chat admin portal using ASP.NET MVC 3.0 and LINQ/Entity framework as well as C# **(TDD)** and Razor, and Undertook development of Macmillan's Community site
* Developing ASP.net Applications using C# .NET 3.5 and 4.0 Visual Studio 2008/2010 and SQLServer 2008 Database. Most recent projects: Macmillan Online Community (Telligent Community), http://www.biggestthankyou.org.uk & ECards site. NHSChoices & DoIt Web Services upgrade – Entity Framework & LINQ , as well as ADO.net to Data Cleanse Community Server 2008.5 & 5.6 Applications.
* Working on Macmillan’s Community site, upgrades, plus mending bugs and writing WCF and SQL Server database driven applications and XML and REST services being consumed by NHS Choices site.
* Testing code, **(TDD)** and using LINQ to implement certain aspects whilst adhering to design patterns and OO programming as well as XHTML, XML, CSS, AJAX and JQuery plus Javascript programming.

**RFL**: to further develop career that facilitated the use of the latest technologies

**MartinLayooInc Software Ltd**

**ASP.NET & Software Developer**

**July 2010 – September 2010**

* Working on a range of Engineering/Cryptography Software in ASP.net C#.NET 3.5 Winforms/Java: using ADO.net, NHibernate, TSQL, WCF, Web Services, JQuery, CSS, XHTML and XML, AJAX, ASP.NET 1.0, 2.0 and 3.5 applications.
* Integrating and Extending Capabilities of EpsilonVPN Messaging Solution Network Software

**Royal Horticultural Society**

**ASP.NET Developer**

**March 2010 – June2010**

* Worked on Kentico CMS and Attic CMS, and using ASP.net 3.5 (Visual Studio 2008) C# and VB, code and maintain RHS's Campaign for Schools Garden site, Press Portal Site and RHS main site.
* Tasks included writing ASP.net C# , Windows Services, WCF services & google map integration, 1st line support, Server Side Database programming in ADO.NET, TSQL and SQL as well as the use of Team Foundation Versioning Software. Also completed deployments to the main server of updates of the various applications.

**Smarta Enterprise Ltd**

**ASP.NET C#/VB Developer**

**January 2010 – February 2010**

* Developing the Smarta brand Web site, backed by Dragon's Den entrepreneurs. Coding VB and C# ASP.net, XML, XSLT, and using Umbraco CMS as well as Team Foundation Concurrent Versioning Software
* Integrating LinkedIn, Twitter, Facebook and other Social Networking applications and importing contacts from them into [www.smarta.com](http://www.smarta.com/); integrating compatibility with other social networking sites. Maintained a networked SQL Server 2008 database, and code both T-SQL, MSSQL 2008 Database, use Visual Studio 2008, C# and VB ASP.net 3.5 Apps.

**MartinLayooInc Software Ltd**

**ASP.NET & Software Developer**

**November 2008 – December 2009**

Working on a range of Engineering/Cryptography Software in ASP.net C#.NET 3.5 Winforms/Java: using ADO.net, NHibernate, Web Services, JQuery, CSS, XHTML and XML, AJAX, ASP.NET 1.0, 2.0 and 3.5 applications, and integrating ASP.net Chat Application using AJAX, & RSS live Feeds on site

* Integrating and Extending Capabilities of EpsilonVPN Messaging Solution Network Software
* Adding Database SQLServer integration with LINQ & NHibernate to EpsilonVPN Portal

**Magic Lantern Media Production**

**Web Developer ASP.NET**

**April 2008 – November 2008**

* Worked on Server Side ASP.net projects for Clients who included Media Guardian, and H&H Car Auctions, amongst others.
* Using ASP.net C# .net 2.0 & 1.0, SQL, NHibernate, ADO.NET, Cuyahoga CMS, JQuery, AJAX, Web Services and javascript as well as CSS and HTML coding I managed to work in a team of 6 developers Using SQL Server 2000/2005. I enhanced mgeitf client CMS using ADO.NET
* Daily activity involved coding C# Server side code, Planning and Scheduling work to meet deadlines and transforming Specifications to meet client requirements; integrating Cuyahoga CMS Development framework (Open Source CMS). Using AJAX I integrated Social Networking Site components to H&H social networking Site as well as H&H Corporate site.
* XML,XSLT,XHTML, CSS were the front end components while SQL Server, visual studio and C# enabled back end development with specific Agile methods (Scrum & Iterative development) that allowed design patterns and iterative application practice.

**RFL:** web development team was made redundant as the recession hit

**Free Lance Contract roles to gain experience within web development after graduation**

**December 2005 – February 2008**

**First Sports Management Solutions**

**Junior ASP.NET Developer**

**November 2007 – February 2008**

* Worked within a team of 25 Developers, developing Web 2.0 applications for the Sports Network with clients (Ultimate Player’s Association) in America, Europe and Asia.
* Using ASP.NET 2.0 and the C# language in Visual Studio 2005 with Team Foundation Versioning software, worked on the Sanctioning Application that is used by the Ultmate
* Player’s Association (American Client) to allow their clients to apply for sports events and scheduling.
* NHibernate was the database layer used to access SQL Server 2005 database services. Coded, debugged and tested a huge ascx control that acted as the application form on entering the application stage.
* This control used AJAX and javascript allowing content to be dynamically refreshed without full page postbacks to the server. Coding both Code behind and XHTML as well as web.config files, integrated payment facilities using HttpModules and Paypal with added functionality that allowed customers to pay by Cheque.

**MartinLayooInc Software Ltd – Created Company**

**Software Developer**

**January 2007 – October 2007**

* Developed 10 personal Applications that were published for sale
* Used Visual Studio 2003, 2005 & 2008, using C#.NET with SQLServer Database Integration using NHibernate.
* NUnit & CSUnit were the aspects of testing, ensuring modular code met requirements.
* Also worked with ASP.net 3.5 with ADO.NET & LINQ to develop the site

**Kailaz Software Ltd**

**Java J2EE Programmer**

**May 2006 - January 2007**

* Used J2EE, Servlets, JSP, EJB 2.0, DAO’S, JDK 6.0, AJAX and XML/XSLT, XHTML and CSS during development of all the applications.
* Oracle 9i/Postgres were the data aspects of the design, and Eclipse IDE, JBoss 4.0.3 Application Server were used in developing code and running on the server.
* Completed all the Database administration in addition
* TimeCollection and Dispatch J2EE applications used to monitor vehicle fleets via GPS over large areas

**LG Electronics**

**Graduate Software Engineer**

**December 2005 – February 2006**

* Worked in a team of four, developing Mobile Phone Applications for Demonstration purposes to determine the viability of the development platform for 3G mobile phones using Standard ISO C++.

**Education and Qualifications**

**University Of London: Birkbeck College** October 2002 – September 2004 **(2 Year Masters Part-Time)**

**Masters Degree: MSc. Computer Science Degree**

Year 1: Borland & Visual C++, Information Systems, Computer Architecture, Set Theory, Data Structures, XML, XSLT, XSL, DTD, Social Implications.

Year 2: C#, .Net, OO Java, Eiffel, Operating Systems, Networks, Software Engineering, Cryptography, Oracle9i database, SQL99 and PL/SQL languages. Code samples on my site: www.martinlayooinc.com

**University Of Southampton** September 1992 – June 1997 **(2 Years Out)**

**Bachelors Degree: BEng. Honors, Civil/Structural Engineering**

**Trinity School – Whitgift Foundation, S. Croydon** September 1990 – June 1992

**A Levels: Mathematics, Physics, Electronic Systems**