

MarkoKoen

Software Developer



about

Stellenbosch
South African citizen
D.O.B: 04/03/1995
Marital status:
Engaged
Code B driving licence

markokoen@gmail.com
+27767925912

Website:
markokoen.com

Github:
github.com/markokoen

languages

bilingual
Afrikaans & English

Technologies

♥ C#, SQL,
.Net Framework, Java,
CSS & HTML5, PHP,
Javascript,
Python, C, Assembly,
Visual Studio, TFS, Git

career objective

To succeed in an environment of growth and excellence and not merely to gain years of experience, while I fully utilize my skills and knowledge for mutual benefit, but also broaden my knowledge in this field.

about me

My story starts in Nelspruit, South Africa where I was born. We moved around a lot and after living in Dar Es Salaam(Tanzania), Maputo(Mozambique) and Nelspruit again, we moved to Zimbabwe where I finished my Cambridge 'O'-levels and 'A'-levels. It was during this time that my passion for 'anything-tech' was sparked.

I started studying Bsc. Mathematical Sciences in 2014 at Stellenbosch University, majoring in Computer Science. I walked into first year without ever programming in my life and it was a crazy battle to catch up and get on track.

I'm currently employed full-time in a Software Developer position at Estuary Solutions in Stellenbosch since January 2017 with a short 3 month break in 2019. I have been working on changing the Swordfish Online Trading system to incorporate the JSE's ITaC project into our system. Since Go-Live I have been working mostly on Releases and system stability(mostly operations).

I'm not a 'nerdy' programmer, I'm not a gamer, I don't watch anime and I don't have a steam account. I am a passionate individual who enjoys interaction with people(including people who enjoy the activities aforementioned).

next job

I'd like to continue working with C, SQL, .Net framework. In my free time I also use Java and HTML, CSS, JS, etc. so I am open to offers in this area as well. I like working with people, it's what I do in my free time too, so I would be unhappy hidden away in a little corner just coding. So as interactive as software development gets, that would be an awesome role. I would be very keen to lead my own team and I also have a great interest in DevOps. Making things more efficient is something I get very passionate about.

work history

Jan 2017
- present

Software Developer at Estuary Solutions

- *Estuary Solutions have a software solution called Swordfish which is an online trading system, enabling users to trade on the JSE markets.*
- *Since starting at Estuary Solutions I have worked on the ITaC project. Specifically on Integrating the EMAPI gateway and our existing Swordfish Software. I worked on mapping the JSE EMAPI API to our Swordfish API. Especially Trade management and the new element, Commissions.*
- *It being a small company, the operations side interested me and I got as involved as possible, and also troubleshooting Live issues and Support whilst the markets are open under pressure.*
- *I spent many hours with the SQL Databases, designing and coding database tables to store application data, optimizing queries, creating table indexes to improve database performance, stored procedures, functions as well as Automated Scripts.*
- *I also implemented a notification system for our servers and applications to use the Telegram API instead of sending SMS's to cut down on operational costs.*
- *Since Go-Live I have been working mostly on Releases and system stability(mostly operations). I implemented an Auto Release for our servers. This was a process that used to take weeks and is now possible in one night.*
- *We try to follow an Agile approach with daily Scrum meetings.*
- *We have a test environment with the JSE on which we test our code, which is similar to a live production environment on the JSE and each person was responsible for testing his own section of code before checking in to source control after a code review.*
- *Daily I use, Team Foundation Server, Microsoft Visual Studio, Microsoft SQL Server Management Studio etc. and I work remotely on VMs and other physical machines in Johannesburg from our office in Stellenbosch.*
- *I have also worked client-facing with large corporate companies to introduce them to and train them to use our software.*
- *Currently maintenance and system stability is our focus.*

11 2015

Vacation Work: Matogen Corporate Web Development

- *Software Tester in Quality Assurance*

education

- 2010-2013 **Cambridge IGCSE O'levels and A'levels**
Petra High School
Zimbabwe, Bulawayo
- 2014-2016 **B.Sc. Mathematical Science: Computer Science major**
Stellenbosch University
- *Modules and Courses of relevance include: Java Object-Oriented Programming, Data Structures and Algorithms, Computer Architecture, Concurrency, Web Development and Databases, Software Engineering, Computer Networks, Computer Vision*
 - *Languages learnt whilst studying include: Java, C, Python, Assembly, PHP, HTML, CSS, SQL, Javascript.*

skillset overview

- C#, .Net Framework. Proficient in C, Front-End and Back-End, with Visual Studio and Team Foundation Server source code management.
- SQL: SQL Server Management Studio, SQL Scripts, Designing and coding database tables to store application data, optimizing queries, creating table indexes to improve database performance, stored procedures, functions.
- Java: Most used language whilst studying. Projects include: Chat applications, NAT box, File Transfer, Cats vs. Robots game.
- Web: Have done a few basic websites plus hosting management. HTML5, CSS, Javascript, PHP

community

- 2011-2013 **Part of Leadership team at children's camps** for ages 13-14
Aslan Camp Zimbabwe
- 2014-2015 **Leader and MC at youth camps** for ages 14-18
Edge Adventure Camp Zimbabwe
- 2017/05
- 2018/02 **Home Cell Leader The Bay CFC**
- 2018-2020/01 **Team Leader The Bay CFC**

hobbies

Keeping Fit, Bikes, Guitar