

# Martin Ombura

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Phone Number (KE): +254 797 107 317

## Work-Experience

### **Project-Tycho** (Angular, RxJs, Firebase) - Lead Software Engineer

*Scarlaria Studios*

(Work) (Jan-2017) - Present, (Nairobi, Kenya)

- Project-Tycho creates a fitness ecosystem that allows users to track their progress as well as interact with various fitness parameters to optimize their training.
- The project uses statistics/charts and predictive algorithms to match users with training-programmes/workouts and exercises to achieve their goals.
- Developed using Angular and Firebase under the name Project-Tycho

<https://tycho-fc797.firebaseio.com> (ongoing)

Email: [info@scarlaria.com](mailto:info@scarlaria.com)

### **Uplift App** (AngularJs, Ionic, NOSQL) - Chief Coder & Software Engineer

*TeenActiv*

(Work) Feb (2016) – October(2016), (Cape Town, South Africa)

- Developed a hybrid application that allows users to challenge each other on various categories e.g. education, health, whilst donating proceeds to local charities.
- Users earn rewards such as vouchers from trusted brands e.g. Vida etc. upon successful completion of the challenge.
- Developed using AngularJs and Ionic and use of NOSQL Database Firebase.

*Employer: Carsten Gertz*

Contact: +27837333622

[carstengertz@worldonline.co.za](mailto:carstengertz@worldonline.co.za)

### **CASABIO App** (Android Java, REST) - Software Engineer

*CASABIO*

(Work) Feb (2016) – November(2016), (Cape Town, South Africa)

- Developed both a native and hybrid application for CASABIO organisation to allow users to interface with their online platform
- Learned how to create, manipulate and consume REST APIs
- Developed using native Java (Native), AngularJs and Ionic (Hybrid)

*Employer: David Gwynne-Evans*

Contact: +27723689244

[capebio@gmail.com](mailto:capebio@gmail.com)

### **City of Cape Town (Western Cape Government)** (SAP, BPMN Collaboration, Business Analysis) - Business Analyst

(Work) July (2015) – October (2015), (Cape Town, South Africa)

- Worked as a Business Analyst for the City of Cape Town HR Department.
- Job entailed creation, analysis and recommendations for process improvement within the City of Cape Town HR Department using BPMN Collaboration diagrams and consultation with the employer.

*Employer: Verity Japhta*

[verity.japhta@capetown.gov.za](mailto:verity.japhta@capetown.gov.za)

**Siyavula Mind Maps (Java) - Software Engineer**

Siyavula

*(Work) July (2015) – October (2015), (Cape Town, South Africa)*

- Worked as part of a team to develop an application that displays mind-maps that aid teachers at Siyavula in elaborating conceptual linkages between the sciences.
- The application was written in Java, and utilized graphing data-structures to create and illustrate the mind maps.

*Supervisor: Michelle Kuttel*

*[mkuttel@cs.uct.ac.za](mailto:mkuttel@cs.uct.ac.za)*

**EffcommSA (PHP ZendFramework, Javascript, SQL) - Developer**

*(Work) July (2015) – December (2015), (Cape Town, South Africa)*

- Worked using the SCRUM Software Design Methodology.
- Utilized test-driven development (TDD) to develop additional modules to the portal.
- Familiarized myself with Change Requests for Raymond James Internal Portal (UK Client).
- Worked primarily using PHP, Javascript and SQL as part of the Zend Framework.

*Employer: Allister Smith*

*Contact: +27 21 447 0704*

*[asmith@effcomm.com](mailto:asmith@effcomm.com)*

**EffcommSA (PHP ZendFramework, Javascript, SQL) - Junior Developer**

*(Internship) (Cape Town, South Africa)*

*June (2015) – July (2015)*

- Worked on the company's internal portal by fully automating their Intern Application System.
- Familiarized myself with Project Management Software as well as Revision Control Software such as JIRA and Bitbucket(Git).
- Worked using the SCRUM Software Design Methodology.

*Employer: Allister Smith*

*Contact: +27 21 447 0704*

*[asmith@effcomm.com](mailto:asmith@effcomm.com)*

**BancABC (VBA, SQL) - UX Designer and Software Engineer**

*(Work) (Dar-Es-Salaam, Tanzania)*

*June (2014) – July (2014)*

- Developed a Loan Tracker System using VBA and SQL to help the bank track loans made by their sales agents at real-time.
- Worked closely under the database administrator in South Africa, to feed the banks centralized information from South Africa to Tanzania using SQL Management Studio.

*Employer: Bryne Rwodzi*

*Contact: +255779000640*

*[brwodzi@gmail.com](mailto:brwodzi@gmail.com)*

**Media and Software Studio** (*PHP, Javascript, MySQL*) - Intern  
(Mombasa, Kenya)  
(2012-2013)

- Helped develop the current Base Titanium website for a construction company located in Mombasa, Kenya. (basetitanium.com).
- Learnt PHP, MYSQL, Javascript and Version Control as well as industry software design-patterns.

*Employer: Paul Schwarz*

*Contact: +254736998202*

*[paul.schwarz@mss.co.ke](mailto:paul.schwarz@mss.co.ke)*

### **Education**

- International Baccalaureate Diploma., Aga Khan Academy, (2012).
- B.Sc., Computer Science and Business Computing, University of Cape Town, (2015).
- Hons., Information Systems, University of Cape Town, (2016-2017). (Graduated May-2017)

### **Awards & Certificates**

- Deans Merit List – University of Cape Town (2014)
- Second Class, Division One Honours – University of Cape Town (2016)
- Global Citizenship (GC1 – Globalization & Debates) – University of Cape Town (2016)
- Global Citizenship (GC2 – Service, Citizenship and Social Justice) – University of Cape Town (2016)

### **Professional Board Membership**

- The Institute of IT Professionals South Africa (IITPSA) - Associate Member (AM17000005), (2017)
- Institute of Chartered IT Professionals (ICITP) - Associate Member (O064868), (2017)

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### **Repository Links**

Github Repository: <https://github.com/martinomburajr/> (*Work with Assembly and various other languages*)  
Taiga Repository: [@martin\\_omburajr](https://taiga.io/~martin_omburajr)