

MARTIN O. CORNEL

P.O. BOX 30261 - 00100 Kenya

Mobile: +254724755556 | **Email:** mrtncornel@gmail.com | **Website:** www.mcornel.com

PROFILE INFORMATION¹

Date of Birth: 24th September, 1993
Gender: Male
Nationality: Kenyan

SUMMARY AND CAREER OBJECTIVE

I have cumulative 6 years' experience in software engineering, data engineering, systems and mobile app development, IT support and user training. My strength is in adaptability and in being a quick learner. I seek to team with empowering software engineering professionals to share skills and build solutions that solve problems and meet company objectives while building my career as a software engineer and making a positive impact.

SKILLS

Soft Skills: Accountable, fast learner, collaborative, sociable and dependable.

Technical: Systems Engineering, Databases and Programming (Python, Bash, Kotlin, Android and Web apps - Django, Laravel, jQuery, Angular, VueJS, SQL, noSQL), Linux Servers, Technical support...

PROFESSIONAL EXPERIENCE

Senior Data Engineer | Living Goods (Global head office)

August 2022 - Present, Remote | *Full Time* (1 month)

- Ensure continuous and timely data sync between CHW application and web server database
- Build and maintain data pipelines between collection and analytics database
- Perform data transformation for reporting, integrations and dashboard sourcing
- Maintain the data warehouse

Senior Software Engineer | Living Goods (Global head office)

January 2022 - Present, Remote | *Full Time* (8 months)

- Identify, prioritize and execute tasks in the software development life cycle
- Team lead for a distributed team of Engineers
- Seek feedback and share updates with stakeholders on project progress and resolution
- Design optimisation and improvement architectures for core software systems

Impacts Projects and Awards (recent)

- Successfully led upgrades for our systems between major versions introducing performance and feature improvement for Community Health Toolkit applications..
- Awarded top 3 of 400+ LG staff living the [organization values](#) daily.

Software Engineer | Living Goods (Global head office)

January 2020 - December 2021, Kileleshwa, Nairobi | *Full Time* (2 Years)

- Continuous development of the Living Goods platform producing clean and efficient code.
- Work with QA engineers to Perform validation and verification testing
- Document development phases and monitor systems
- Fixing bugs, code review and scalability testing.
- Automating tasks through tools and scripts.
- Manage Project Technical Configuration and scope of work.

¹ Social Profiles: [LinkedIn](#), [GitHub](#)

- Post Development Product Support.

Impact and Projects (recent)

- Automated database objects maintenance (backup, diagnosis, replication) thus increasing uptime for Gigabytes of noSQL data (Python, couchdb, postgres)
- 2020 dropped the cost on dashboards by offering alternative options saving the organization \$1,500 monthly (Klipfolio, Superset analytics)
- Developed LG Health platforms for secure integration with other solutions using relational and non relational databases. (Continuous product improvement)

Software Development Consultant | MUVA Technologies

April 2017 - December 2020, Nairobi | *Part Time*

(3 years, 9 months)

- Web systems development (Python Django, PHP Laravel, VueJS).
- Android mobile app development. (Java, Kotlin)
- Software projects management (mainly Agile methodology and Waterfall model)
- Offering advice on software development processes and QA processes.
- Systems maintenance, improvement and security audits.
- Django web track trainer/mentor at [Kwetu Hub \(MUVA Academy\)](#)

Impact and Projects (recent)

- Yurban Rides Taxi Hailing App: (PHP, VueJS, Kotlin, Linux Servers) [yurbanrides.com](#)
- Saspacity Grooming appointments: (Web and Android app; PHP, Kotlin) [saspacity.com](#)
- Resolution Insurance IPF Financing Solution: (Web based SW using PHP)
- Mentored interns into equipped developers thus increasing MUVA's developer pool.

Websites and Web Apps Developer (Freelance) | [Consult mCornel](#)

April 2016 - June 2020, Nairobi | *Remote Part Time*

(4 years, 2 month)

- Implementing web designs, admin portals design and implementation (HTML, CSS, AngularJS)
- Backend and database systems development (PHP, Python, SQL, Linux servers,).
- Android mobile application development (Kotlin, APIs)

Projects (recent)

- PONACARE Clinic Management System (PHP, AngularJS) <https://ponacare.mcornel.com/>
- Nightset (Website, Backend; AngularJS, Python Django) www.nightset.co/
- mCornel Dev Web Tools: (Web tools for developers; PHP, jQuery) <https://mcornel.com/tools/>

Constituency ICT Officer | [IEBC Kenya](#)

December 2016 – March 2017, Nyanza Central Region | *Full Time*

(3 months)

- Field and technical support, faulty kits and systems repairs and replacement, ICT issues management, technical supervision, BVR System configuration and Training of MVR2 Personnel.

Impact

- Trained a team of 42 VRAs on basic IT skills in preparation for mass voter registration.
- Mentored a VRA on IT issues management, technical support and supervision by apprenticeship. She became equipped to be constituency ICT officer during voting exercises of 2017.

Developer Fellowship and Bootcamp | [Andela Kenya](#)

August 2016 - September 2016 | *Full Time*

(2 months)

- Selected among 42 out of 1,500 applicants for vigorous training and tests. The experience built my skills in Python coding and systems development despite missing the top 6 to join Andela.

Voter Registration Assistant | [IEBC Kenya](#)

February 2016 - March 2016, Kabondo Kasipul Constituency | *Full Time*

(2 months)

- Voter biometric and alphanumeric data capture, report compilation, maintenance and security

of Biometric Voter Registration (BVR) Kit, voter education and mobilization

ICT Intern | Kenya Medical Research Institute (KEMRI)

August 2014 - December 2014, Nairobi Headquarter | *Full Time* (5 months)

- Tech support, data and network management, help desk attendance, web content management.

OCR Validator | Daproim Africa Limited

August 2012 - August 2015, Nairobi Headquarter | *Remote Part Time* (3 years)

- Data entry, OCR validation, audio transcription.

ACADEMIC BACKGROUND²

MSc. Software Engineering | Jomo Kenyatta University of Agriculture and Technology (JKUAT)

September 2016 - December 2019, Main campus

- Research area, Software architecture technical debts for Agile projects.

BSc. Computer Science | Maseno University

January 2012 - December 2015, Main campus

Second Class Upper Division | [Recommendation](#)

- 60 course units including: Digital Electronics, Object Oriented Programming, Application Development for the Internet, Data Structures and Algorithms, Information Systems Security and Design, System Analysis, and Design, Computer Networks, Mobile computing...

Cisco Certified Network Associate | Cisco Net Academy and Maseno Networks Lab

January 2014 - July 2015

- Modular Certificates: CCNA 1 Introduction to Networks, CCNA 2 Networking Essentials, CCNA 3 Scaling Networks, CCNA 4 Connecting Networks, CCNA Security and IT Essentials.

Kenya Certificate of Secondary Education | St. Joseph's Rapogi Secondary School

January 2007 - November 2010

Mean Grade: B+ (73/84 Points)

- Certificate of Advanced Computer studies and packages
- Co-founded Rapogi ICT Club

Kenya Certificate of Primary Education | Ober Boys' Boarding Primary School

January 2005 - November 2006

- Mean Grade: A 400/500 Marks (59/60 Points)

INTERESTS AND HOBBIES

Cycling, Code challenges and Community service

RELEVANT PROFESSIONAL TRAINING

- | | |
|---|----------------------|
| • Diversity Equity and Inclusion Champions Training at Living Goods | <i>May 2020</i> |
| • ICT Audit, Support and Facilitation by IEBC Nyanza Central | <i>December 2016</i> |
| • Leadership and Governance training by SWS Maseno University | <i>June 2013</i> |
| • Career development and Social behavior by Career Training Center | <i>April 2012</i> |

REFEREES³

Frederick Onyango | Living Goods

² Latest live CV available on: <https://cv.mcornel.com>

³ Referees listed by most recent professional interaction first.

Senior Quality Assurance Engineer

fredrickonyango370@gmail.com

+254708537306

Henry Mbugua | Muva Technologies

Projects and Happiness Manager (Currently a Software Engineer at Microsoft)

henrymbuguak@gmail.com

+254728851119

Mrs. Beatrice Ongadi | KEMRI Headquarters Nairobi | [Testimonial](#)

Head of Technical Support (Currently research Scientist; Bioinformatics at KEMRI)

bongadi@kemri.org

+254728324324