CENIT@EA

Centre of Excellence for ICT in East Africa

YOUNG PROFESSIONALS

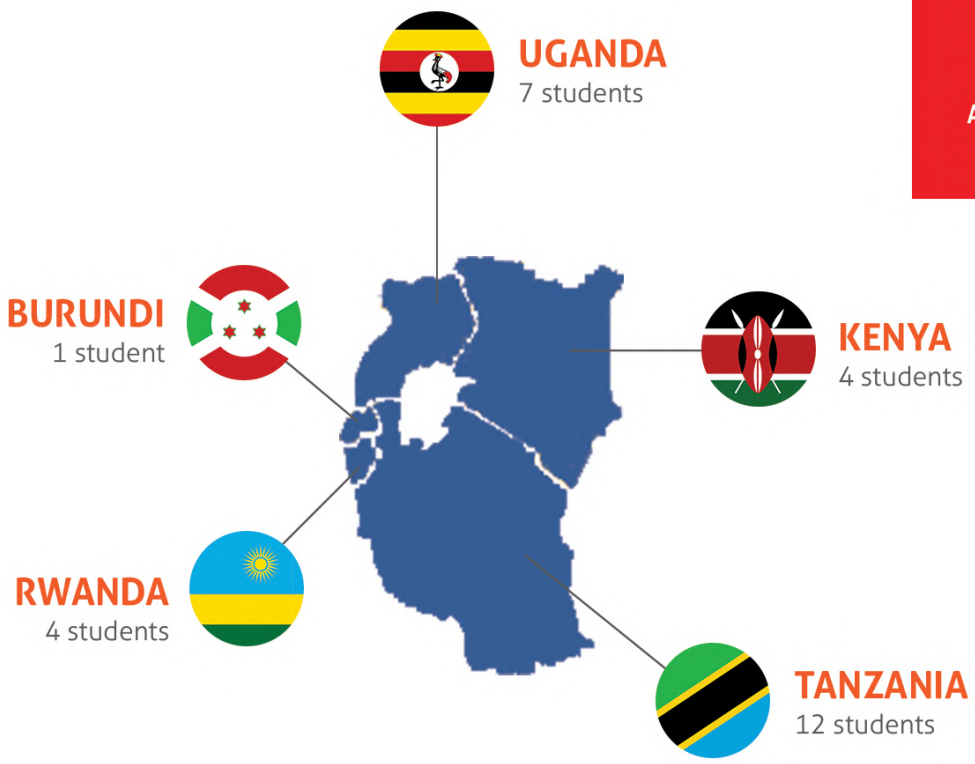
"Dedicated to Excellence, Committed to the Future"

BACKGROUND

CENIT@EA is a regional innovation hub that was initiated by the German Federal Ministry for Economic Cooperation and Development (BMZ) and the East African Community (EAC) and launched in 2019 to support East African universities in providing the technical skills that meet the needs of the private sector, public sector and civil society stakeholders in the region's digital transformation. The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) implements the project in cooperation with the Inter-University Council of East Africa (IUCEA), the German Academic Exchange Service (DAAD) and an academic consortium consisting of Nelson Mandela African Institution for Science and Technology (NM-AIST), the University of Oldenburg and other East African and German universities and institutions.

To cater towards the concrete needs of the digital transformation in East Africa, CENIT@EA established a market-driven Master in Embedded and Mobile Systems and offers short technical trainings for professionals in the area of Information and Communication Technologies (ICT), unemployed graduates and university lecturers to provide them with the relevant digital skills. To assure this demand driven and value creating approach, CENIT@EA works very closely with the private sector through events such as ICT4Business and cooperation mechanisms such as the Memorandum of Understanding with IBM. The regional network and dialogue between academia, public and private sector is furthermore facilitated for collaborative development of the digital transformation.

4.3+
Average Work Experience



MAJOR AREAS OF INTEREST

- Agriculture
- Education
- Health
- Industrial Automation
- Wildlife and Environment
- Water and Renewable Energy
- Security
- Smart Cities
- Logistics, E- Government, Oil & Gas

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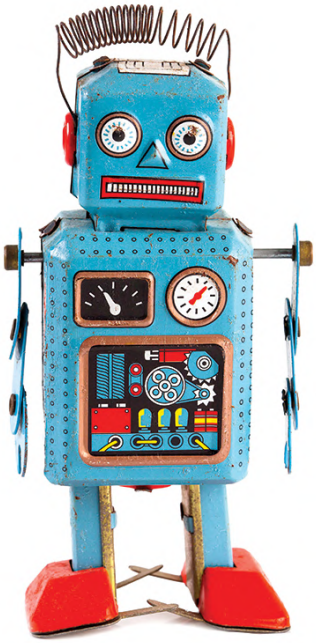

CENIT@EA is a regional innovation hub that offers a competitive Master in "Embedded and Mobile Systems" (EMoS) that follows a market-driven approach and includes practical elements, such as an internship, an applied Master thesis, Summer Schools and Guest Lecturers from the private sector, as well as Entrepreneurial and Soft Skills training.

The EMoS students are Young Professionals with an excellent academic record and on average four years of relevant work experience. They are skilled hands-on professionals who are looking forward to developing an innovative digital solution to your challenges.

Scan My Videostory

AMRANI HASSAN

Kenyan | Swahili, English | **MSc EMoS track:** Mobile Systems

BTech, ICT, Technical University of Mombasa, Kenya

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AREAS OF INTEREST IN ICT

- Big Data Analysis
- e-Learning Systems in Education
- e-Government

ACHIEVEMENTS AND CERTIFICATES

Current project: Smart Ugali Cooker

IBM Design Thinking Summer School, Arusha, Tanzania, 2019

PROFESSIONAL SKILLS

Python Programming	■■□□□
Java Programming	■■□□□
Microsoft Office Suit	■■■■■
Android Programming	■■□□□
Cyber security	■■□□□

WORK EXPERIENCE

April 2016 – May 2019	Senior Support Specialist/Part-Time Lecturer, Pwani University, Kenya
Sep 2009 – Mar 2016	Senior ICT Technician, Pwani University, Kenya
Feb 2007 – Sep 2009	ICT Technician, Islamic Teachers College, Kenya

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ANNA GEOFREY

Tanzania | Swahili, English | **MSc EMoS track:** Embedded Systems

BSc Informatics, Sokoine University of Agriculture, Tanzania

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AREAS OF INTEREST IN ICT

- Big Data Analysis
- Machine Learning
- ICT in Agriculture

ACHIEVEMENTS AND CERTIFICATES

Research paper publication with titles

- *Web and Mobile Phone Based Rabies Surveillance System for Humans and Animals in Kilosa District, Tanzania*
- *Analyzing usage of crowd sourcing platform Ushaurikilimo' by pastoral and agro-pastoral communities in Tanzania.*
- *Understanding Strategies for Implementing Integrated Information Systems for Rabies Surveillance*

Current project: Early fire detection system for market places

PROFESSIONAL SKILLS

Python Programming	■■■□□
Java Programming	■■□□□
SQL	■■■■■
Machine learning	■■■□□
Sensors	■■■■□
C programming	■■■■□
C++ programming	■■■■□

WORK EXPERIENCE

May 2015 – May 2019	Tutorial Assistant, Sokoine University of Agriculture, Tanzania

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BEATUS MBUNDA

Tanzania | Swahili, English, Chinese | **MSc EMoS track:** Mobile Systems

BE Computer Engineering, Tianjin University, China

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AREAS OF INTEREST IN ICT

- ICT for Health
- ICT for Education
- ICT in Agriculture

ACHIEVEMENTS AND CERTIFICATES

IBM digital badges in cloud, IOT and Cyber Security Introduction, IBM Africa,2019

Block Chain Technology , Oracle, 2018

Open Source Technology and Its Application, IBM Asia,2008

Current project: Mobile App for Document Digitalization using AI and OCR Technology

PROFESSIONAL SKILLS

Python Programming	■■■□□
Java Programming	■■□□□
SQL	■■■□□
Android Studio	■■■□□
Arduino	■■□□□
PHP	■■■□□
Machine Learning	■■■□□

WORK EXPERIENCE

Oct 2015 – Jun 2019	ICT Officer, The Open University of Tanzania, Tanzania
Oct 2011 – May 2015	ICT Officer, Kagera Sugar Company Limited, Tanzania
Nov 2010– May 2010	Internship, Tanzania National Stadium, Tanzania

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FABIEN NGABOYIMBERE

Rwanda | English, French, Kinyarwanda, Kiswahili | **MSc EMoS track:** Embedded Systems

BSc Computer Science, University of Rwanda, College of Education, Rwanda

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AREAS OF INTEREST IN ICT

- Big Data Analysis
- Machine Learning
- ICT in Agriculture

ACHIEVEMENTS AND CERTIFICATES

ICT essentials, UNESCO, 2016

Current project: Bimodal fingerprint and RFID based attendance system to monitor attendance at school or work.

PROFESSIONAL SKILLS

Python Programming	■■□□□
Java Programming	■□□□□
SQL	■■■□□
Networking	■■■□□
Web programming	■■■□□
C&C++ programming	■■■■□
Visual Basic programming	■■■□□

WORK EXPERIENCE

Jan 2014 – Jun 2019	Computer Science Teacher, MINEDUC /GS KAMPANGA, Rwanda

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GLORIOSE NZASANGAMARIYA

Rwanda | English, French, Kinyarwanda, Kiswahili | **MSc EMoS track:** Embedded Systems

BSc Computer Engineering, University of Rwanda College of Science and Technology, Rwanda

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AREAS OF INTEREST IN ICT

- Drones
- Manufacturing Industries
- ICT for Health

ACHIEVEMENTS AND CERTIFICATES

Artificial Intelligence V2 Certification badge, IBM, 2019.

Machine learning certification badge and Watson V2 certification badge, IBM, 2019.

Development of a low-cost security camera that detects moving objects

Current project: Automatic vehicle number plate detection and recognition system

PROFESSIONAL SKILLS

Python Programming	■■■■□
Embedded system development in Arduino and Raspberry PI	■■■■□
Software requirements analysis	■■■■□
Machine Learning	■■■■□
MySQL and SQL database	■■■■□
C&C++ programming	■■■□□
IT project Management	■■■□□

WORK EXPERIENCE

Sep 2018– Jun 2019	Instructor, Muhabura Integrated Polytechnic College (MIPC), RWANDA
May 2017 – Jun 2019	Teacher, Lycée de Ruhengeri APICUR, RWANDA
Jun 2016 – May 2017	IT technician, Scorpions Advanced L.T.D, RWANDA

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HENRY SEMAKULA

Uganda | English, Luganda | **MSc EMoS track:** Mobile Systems

BSc Information Technology, Makerere University, Uganda

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AREAS OF INTEREST IN ICT

- Big Data Analysis
- Machine Learning
- Embedded Systems

ACHIEVEMENTS AND CERTIFICATES

Machine learning certification badge by IBM.

Artificial Intelligence V2 Certification badge by IBM.

IBM Watson V2 certification badge by IBM

Introduction to Internet of Things by IBM

IOT Fundamentals by IBM

Current project: Mobile App for Monitoring Air pollution using Wireless Sensors

PROFESSIONAL SKILLS

Python Programming	■■■□□
Java Programming	■■■□□
Computer Networks	■■■■□
Machine learning	■■■□□
Database Administration	■■■□□
System Analyst	■■■□□
System Administration	■■■□□

WORK EXPERIENCE

Oct 2017 – Jun 2018	Network Support Engineer, Sombha Solutions Store, Uganda
Feb 2015 – Aug 2016	IT Trainee, Movit Products Limited, Uganda
Jun 2013 – Aug 2015	Internship, Alam Group of Companies, Uganda

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HILARY RAMBO

Tanzania | Swahili, English, Chinese | **MSc EMoS track:** Mobile Systems

BSc in Information Technology and Systems, Mzumbe University, Tanzania

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AREAS OF INTEREST IN ICT

- Internet of Things
- ICT for Education
- ICT in Agriculture
- Machine Learning

ACHIEVEMENTS AND CERTIFICATES

Cisco Certified Network Associate (CCNA, Cisco, 2016)

Enterprise asset management system

Current project: Early fire detection system for market places

PROFESSIONAL SKILLS

Python Programming	■■□□□
Java Programming	■□□□□
SQL	■■■□□
Networking	■■■□□
Web programming	■■■□□
C&C++ programming	■■■■□
Visual Basic programming	■■■□□

WORK EXPERIENCE

Feb 2015 – Jun 2019	Network Administrator, Momba District Council, Tanzania
Oct 2011 – May 2015	ICT Officer, Kagera Sugar Company Limited, Tanzania
Nov 2010– May 2010	Internship, Tanzania National Stadium, Tanzania

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HILLARY KALUUMA

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BSc Software Engineering, Makerere University, Uganda

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AREAS OF INTEREST IN ICT

- IOT in Health
- Digital Finance
- IOT in Agriculture

ACHIEVEMENTS AND CERTIFICATES

CISCO Certified Networking Associate, Makerere University COCIS, 2013

Recognized Technical Support Staff 2019, Cellulant Group in15 Countries,

Machine Learning, Artificial Intelligence V2, IBM Watson V2 certification badges by IBM in August 2019

Current project: Mobile app that enables people to trade stock in an integrated East African financial market.

PROFESSIONAL SKILLS

- Python Programming
- Java Programming
- Computer Networks
- Machine learning
- Database Administration
- System Analyst
- System Administration

WORK EXPERIENCE

Nov 2017 – Jun 2019	Service Desk Engineer, Cellulant, Uganda
Jul 2017 – Nov 2017	Technical Support Staff, IT-Logic, Uganda
Jun 2016 – Dec 2016	Webstie Designer, Webstar UG, Uganda

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IVAN KOOJO

Uganda

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MSc EMoS track: Embedded Systems

BSc Software Engineering, Makerere University, Uganda

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AREAS OF INTEREST IN ICT

- ICT in Health
- Smart Cities
- ICT in Agriculture

ACHIEVEMENTS AND CERTIFICATES

1st Runner's Up, Geo4Africa Code Sprint, Uganda, 2017

The Fundamentals of Digital Marketing, Google Digital Skills for Africa, 2018

IBM Summer school Design Thinking, offered by NM-AIST, IBM and CENIT@EA, 2019, Certificate of participation

Current project: Automatic vehicle number plate detection and recognition system.

PROFESSIONAL SKILLS

Python Programming	■■■□□
Java Programming	■□□□□
SQL	■■■□□
Networking	■■■□□
Web programming	■■■□□
C&C++ programming	■■■■□
Visual Basic programming	■■■□□

WORK EXPERIENCE

Nov 2018 – May 2019	Online Tutor, Company, Uganda
Jun 2018 – Oct 2018	Digital Skills Trainer (Volunteer), Kafeero Foundation, Uganda
May 2017 – Aug 2017	Intern, Afrosoft IT Solutions, Uganda

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MBONIMPAYE JOHN

Tanzania | English and Swahili | **MSc EMoS track:** Mobile Systems

BSc Computer Science, University of Bagamoyo, Tanzania.

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AREAS OF INTEREST IN ICT

- Health
- Water Utility
- Education

ACHIEVEMENTS AND CERTIFICATES

Position 4, Arusha Zindi Africa Data Science Hackathon, Tanzania,2019

Exhibitor, Academia-Public-Private Partnership Forum(APPPF), Uganda ,2019

IBM Certificates (Machine Learning, Artificial Intelligence, IBM Watson), Alison Certificate (Android Programming, E-Learning) 2019.

Low-Cost Security Camera Detector, it uses concept of Artificial Intelligence and Internet of things, it can be used for Home, Office, or Farm security. It is affordable by all classes (Low class, Middle and high Class).

Current project: Mobile App for Document Digitalization using AI and OCR Technology.

PROFESSIONAL SKILLS

- Application Development
- Coding Skills (Java, Python, C#, R)
- SQL, PHP, HTML, CSS, JavaScript.
- Website Development (WordPress & Joomla)
- Android programming
- Multimedia Skills
- Machine Learning & Artificial Intelligence

WORK EXPERIENCE

Dec 2014 – Oct 2018	Examination Officer College of Science, University of Bagamoyo,
Oct 2014 – Oct 2018	Tutorial Assistant, University of Bagamoyo, Tanzania
Aug 2014 – Oct 2014	ICT Officer, Usalama Kwanza Security Company, Tanzania

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PHILEMON ROTICH

Kenya | English, Swahili, Bahasa Indonesia | **MSc EMoS track:** Embedded Systems

BSc Computer Science, Moi University, Kenya

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AREAS OF INTEREST IN ICT

- IoT for Logistics Operation
- Smart Cities and Smart Grids
- Security Systems

ACHIEVEMENTS AND CERTIFICATES

IBM digital Innovator and explorer badges in Machine learning, data science and analytics Artificial Intelligence, Design Thinking, IoT, Watson V1 and Cyber security, 2019

IBM Summer school Design Thinking, offered by NM-AIST, IBM and CENIT@EA, 2019, Certificate of participations

CCNA Certifications and Cyber security certification ,Dimension Data Online academy platform 2016 and Zindi African challenge competition and Hackathon 2019

Current project: Early fire detection system for market places.

PROFESSIONAL SKILLS

Python Programming	■■■□□
Java Programming	■■■□□
SQL	■■■□□
Network device configuration	■■■■□
Networking and IT service management	■■■□□
Machine learning and data science	■■■□□
Arduino and IoT, IBM cloud	■■■■□

WORK EXPERIENCE

Jan 2018 – Aug 2018	Tutorial Assistant Kenya Medical Training College (KMTC), Kenya
Feb 2017 – Nov 2017	Assembly Technician MU Technologies (Moi University Laptop assembly plant), Kenya
Dec 2015 – Apr 2016	ICT Intern, Internet Solution Company (formerly Access Kenya Group Ltd.), Kenya

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DEO IRANKUNDA

Burundi

English, French, Kirundi, Kiswahili

MSc EMoS track: Embedded Systems

BSc Telecommunications Engineering and Management, Hope Africa University, Burundi

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AREAS OF INTEREST IN ICT

- Health
- Education
- Drones for Agriculture

ACHIEVEMENTS AND CERTIFICATES

2nd place in BURURI District, RFI poem and songs composition, Burundi, 2012

Training program on Telecommunications and IP Technologies , ICOTRACO, 2018

Stand line in music equipment installation. This help the sound engineer to well hear and control the sound of each installed music equipment.

Current project: Bimodal finger print and RFID based attendance system for school and work attendance

PROFESSIONAL SKILLS

Python Programming	■■□□□
Java Programming	■□□□□
C&C++ Prohramming	■■■□□
Network implementation	■■■■□
Network and System Security	■■■■□
Hardware maintenance	■■■□□

WORK EXPERIENCE

Nov 2018 – May 2019	Teacher and ICT manager, ETAP Secondary School, Burundi
Feb 2018 – Feb 2019	Secretary of student council Hope, Africa University, Burundi
Sep 2014 – Nov 2014	Institutor, Ecofo Mubanga, Burundi

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SHAKILA MBARAKA

Tanzania | English, Swahili | **MSc EMoS track:** Mobile Systems

BSc Computer Science, Institute of Accountancy Arusha, Tanzania

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@MbarakaShakila

AREAS OF INTEREST IN ICT

- Health
- Financial Technology
- Agriculture

ACHIEVEMENTS AND CERTIFICATES

1st Runner-up Greentech Startup National Finals, Climate Launchpad Competitions, Tanzania , 2019

Best Academic Performance National-wise, Tanzania Higher Learning Students' Organization (TAHLISO), 2017

Curent project: Mobile Farming Application

PROFESSIONAL SKILLS

Python Programming	■■■■□
Java Programming	■■■□□
JavaScript	■■■□□
Product Management	■■■■□
Web App Developer	■■■■□
Full Stack Dev	■■■■□
Mobile App Dev	■■■■□

WORK EXPERIENCE

Oct 2017 – May 2019	Senior ICT Officer, Saira & Company Advocates, Tanzania
Aug 2016– Jul 2017	Operations Officer, Capital Zone ltd, Tanzania

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ANGE JOSIANE UWAYISENGA

Rwanda | English, French, Kinyarwanda | **MSc EMoS track:** Embedded Systems

BSc Computer Engineering, UR-College of Science and Technology, Rwanda

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AREAS OF INTEREST IN ICT

- Health
- Industrial Automation
- Drones in Agriculture

ACHIEVEMENTS AND CERTIFICATES

Participated in Academia Public Private Partnership Forum as an exhibitor in Kampala, October 2019, Uganda.

Awarded a temporary job as the best student performer in Computer Engineering , UR-College of Science and Technology, 2012

Current project: Drowsiness Detection System for PSV Drivers

PROFESSIONAL SKILLS

Software Requirement Analysis	■■□□□
IT Project Management	■□□□□
Web Design	■■■□□
Database system Development (SQL/MYSQL)	■■■□□
Python Programming	■■■□□
Machine Learning	■■■■□
Networking	■■■□□

WORK EXPERIENCE

Nov 2015 – May 2019	Tutorial Assistant/ University of Technology and Arts of Byumba (UTAB), Rwanda
Feb 2016 – Jul 2018	Web Content Manager/ University of Technology and Arts of Byumba (UTAB), Rwanda
Jan 2012 – Aug 2012	Student Computer Lab Assistant/UR-College of Science and Technology (UTAB), Rwanda

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JOSEPHINE MWIKALI MBANDI

Kenyan | English and Swahili | **MSc EMoS track:** Embedded Systems

BSc Information Technology, SEKU, Kenya

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AREAS OF INTEREST IN ICT

- Oil and Gas Processes
- Renewable Energy
- Wireless Sensor for Agricilture

ACHIEVEMENTS AND CERTIFICATES

Automated Electric Switching using Rasperry Pi

Wireless sensor network for pollution and agricultural data – use of mini-computer and sensor nodes

Current project: Drowsiness Detection System for PSV Drivers

PROFESSIONAL SKILLS

Python Programming	■■■■□
Java Programming	■■■□□
SQL	■■■□□
C++ for IoT	■■■□□
PSpice circuit simulation	■■■■□
Fritzing and Upaal tools	■■■■□

WORK EXPERIENCE

May 2014 – Jul 2017	Operations manager, Paytech Africa, Kenya
Sep 2013 – May 2014	Operations zone supervisor, KAPS Parking, Kenya
Sep 2010 – Sep 2013	ICS administrator, SEKU, Kenya

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MARTINE LYIMO

Tanzania | English, Swahili | **MSc EMoS track:** Embedded Systems

BSc Telecommunications Engineering, University of Dar es Salaam, Tanzania

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AREAS OF INTEREST IN ICT

- Telecommunications Networks
- Renewable Energy
- Drones for Agriculture

ACHIEVEMENTS AND CERTIFICATES

IBM Digital Badges for Machine Learning and Artificial Intelligence, Tanzania, 2019

Current project: Mobile App for Air Pollution monitoring using Wireless Sensors Networks

PROFESSIONAL SKILLS

Python Programming	■■■□□
Java Programming	■■■□□
SQL	■■□□□
Computer Networks	■■■□□
Transmission	■■■■□
Mobile App Development	■■■■□
ICT Management	■■■■□

WORK EXPERIENCE

Jan 2019– May 2019	Help Desk Supervisor, REIME/Nokia Vodacom MS Project, Tanzania
Jun 2016 – Dec 2018	Assistant Project Manager, Greentel (T)Ltd, Tanzania
Jun 2013 – May 2016	Field Engineer, NOKIA/Vodacom MS Project, Tanzania
Jun 2013 – May 2016	Transmission Engineer, QSCOM, Tanzania

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EMIL PATRICK

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BSc Telecommunications Engineering, University of Dar es Salaam, Tanzania

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AREAS OF INTEREST IN ICT

- Health
- Education
- Agriculture

ACHIEVEMENTS AND CERTIFICATES

Current project: Mobile App linked with IoT to improve Agricultural processes

CCNA/ CISCO,2015

PROFESSIONAL SKILLS

Python Programming	■■■□□
Java Programming	■■■□□
SQL	■■■□□
Competency 4	■■■■□
Computer Networks	■■■□□
Mobile Communication	■■■■□
Embedded Systems Development	■■□□□

WORK EXPERIENCE

Feb 2010 – May 2019	Field Operations Engineer, Nokia Networks/Airtel Managed Services Project, Tanzania

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NGOLLO DAUDI

Tanzania | English, Swahili | **MSc EMoS track:** Mobile Systems

BSc Computer and Information Security, University of Dodoma, Tanzania

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AREAS OF INTEREST IN ICT

- Health
- Financal Technology
- Agriculture

ACHIEVEMENTS AND CERTIFICATES

Design Factory Korea social impact Boot camp in Arusha, with a certificate award, 2019

IBM digital badges in cloud, IOT and Cyber Security Introduction, IBM Africa, 2019

Certificate training in Customer Care Representative.

Current project: Smart Ugali Cooker

PROFESSIONAL SKILLS

Python Programming	■■□□□
Java Programming	■■■□□
SQL	■■■■□
IT security	■■■■■
C++ programming	■■■□□
HTML programming	■■■□□
Computer support, troubleshooting & maintenance	■■■■■

WORK EXPERIENCE

Mar 2019 – May 2019	Customer Care Executive, Vodacom Tanzania Limited/ iSON BPO, Tanzania
Jan 2017 – Nov 2017	Systems and Website Maintenance, Today Sky Company, Tanzania
Aug 2015 – Oct 2015	Information Technology Support, President's Office, Regional Administration and Local Government (PORALG), Tanzania

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JIMMY OBIRA OKELLO

Uganda | English, Luo, Swahili | **MSc EMoS track:** Embedded Systems

BE in Telecommunications Engineering, Kyambogo University, Uganda

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AREAS OF INTEREST IN ICT

- Health
- IOT for Environmental Monitoring and Protection
- IOT for Agriculture
- Cyber Security

ACHIEVEMENTS AND CERTIFICATES

IBM digital badges in Cloud, IOT and Cyber Security introductions, IBM Africa, 2019

ITIL foundation certificate in IT service management, APMG International, 2015

CCNA certificate, Makerere University, 2014

Current project: Mobile App for Air Pollution monitoring using wireless sensor networks

PROFESSIONAL SKILLS

Python Programming	■□□□□
IT Service management	■■■■□
Telecom equipment installations	■■■□□
Telecom Network maintenance	■■■□□
Network Planning and Optimization	■■□□□
Wireless Sensor Networks	■■□□□
App Design and Development	■□□□□

WORK EXPERIENCE

Mar 2018 – May 2019	Network Engineer, I Engineering Group, Uganda
Mar 2015 – Feb 2018	NOC Engineer, Quintica Uganda Limited, Uganda
Jun 2013 – Aug 2013	Intern Technician, Uganda Telecom Limited, Uganda

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VICTOR WILLA

Tanzania | English, Swahili | **MSc EMoS track:** Embedded Systems

BE Computer Science and Engineering, St Joseph University, Tanzania

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AREAS OF INTEREST IN ICT

- Health
- Controll Systems
- Agriculture

ACHIEVEMENTS AND CERTIFICATES

Datascience Machine learning by IBM

Alcohol sensing alert prototype for drunk drivers to reduce the number of effects of reckless road accidents

Current project: Mobile App for Document Digitalization using AI and OCR Technology

PROFESSIONAL SKILLS

Python Programming	■■■□□
Java Programming	■■■□□
SQL	■■■□□
Ellectronics circuits	■■■■□
Data science	■■■□□
Network and infrastructure	■■■□□
C language programming	■■■■□

WORK EXPERIENCE

Jul 2017 – Apr 2019	Engineer Trainee, Tanzania Electric Supply Company, Tanzania
May 2014 – Jul 2014	ICT support, Vodacom Tanzania Headquarters, Tanzania

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YAHYA MAALIM OMAR

Tanzanian | English, Swahili | **MSc EMoS track:** Mobile Systems

BSc Computer Science, Institute of Accountancy Arusha, Tanzania

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AREAS OF INTEREST IN ICT

- Health
- Food Security
- Wildlife

ACHIEVEMENTS AND CERTIFICATES

Winner of Arusha Innovation Challenge – Tanzania, 2018

Winner of IAA careers day –Tanzania, 2018
Theme: Exploration of economic opportunity through creativity and innovation in attaining sustainable development

Winner of IAA careers day – Tanzania, 2017
Theme: Challenge yourself to explore the world of opportunities

Current project: Mobile Farming App

PROFESSIONAL SKILLS

- Python Programming
- Java & Kotlin Programming
- UI/UX designing
- Digital Marketing
- Web Development (HTML,CSS, PHP)
- Android Development
- Networking and Server administration

WORK EXPERIENCE

Sep 2016 – to Date	Freelancer (Web Development, Network & Server Administration, Digital Marketing and Android Development) - Tanzania
Feb 2015 – Sep 2016	IT Manager, SnowCrest Hotel, Tanzania

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SAMWEL KATWALE

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BSc in Computer Engineering & IT, University of Dar es Salaam, Tanzania

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AREAS OF INTEREST IN ICT

- Home Automation
- Health
- Agriculture

ACHIEVEMENTS AND CERTIFICATES

IBM Digital badges in Machine Learning, IBM Watson V2 and Artificial Intelligence V2, IBM Africa 2019

Microcontroller programming, BUNI Tanzania, 2015

Smart room temperature and light controller

Current project: Smart Ugali Cooker

PROFESSIONAL SKILLS

Python Programming	■■■□□
Java Programming	■■■□□
SQL	■■■□□
BTS/NodeB Commissioning	■■■■□
RF Optimization	■■■■□
Android studio	■■■□□
Machine Learning	■■■□□
PHP	■■□□□
Arduino	■■■■□

WORK EXPERIENCE

Jun 2016 – May 2019	Drive Test Engineer, Huawei, Tanzania
Nov 2015 – May 2016	Field maintenance engineer, Huawei, Tanzania
Aug 2015 – Oct 2015	CS-CORE Network Engineer, Huawei, Tanzania

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FAVOR WISDOM CEASER

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AREAS OF INTEREST IN ICT

- Agriculture
- Health Informatics
- Business Information Systems
- Machine Learning
- Big Data Analysis

ACHIEVEMENTS AND CERTIFICATES

CISCO Certified Network Associate

VSAT Idirect Specilaist

Current project: Automatic vehicle number plate detection and recognition system

PROFESSIONAL SKILLS

Python Programming	■■■□□
Java Programming	■■□□□
SQL	■■■■□
Computer Networks	■■■■□
ICT Infrastructure design and implementation	■■■□□
Systems Adminstration	■■■■□
Solutions Architecture	■■■■□

WORK EXPERIENCE

Jul 2010 – Jun 2019	Solutions Architect, RBM Systems Consult Limited, Uganda
Feb 2011– Jun 2013	IT and VSAT Engineer, Weatherford Drilling International, East Africa
Jun 2006 – Jun 2010	Networks and Systems Administrator, School of Computing and Information Sciences Makerere University, Uganda

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OLIVIER HUNGURIMANA

Rwanda

English, French, Kiswahili, Kinyarwanda

MSc EMoS track: Embedded Systems

BSc Electronics and Telecommunication Engineering, University of Rwanda

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AREAS OF INTEREST IN ICT

- Health
- Drones for Agriculture
- Industry
- Transport
- Water

ACHIEVEMENTS AND CERTIFICATES

IBM Bagdes. IBM Data sciences online course (machine learning, artificial intelligence v2, watson v2), August 2019

Rwanda water and ICT Accelerator.This accelerator was organized by VIA Water, TUDelft and IBM research Africa. July 2015

Jcertif Kigali International. Jcertif International Training on java technologies, google web technologies and adobe web techniques. 2015

Current project: Bimodal fingerprint and RFID-based attendance system for school and work attendance

PROFESSIONAL SKILLS

- Python Programming
- SMT Machine Programming
- Data science analyst
- Hardware maintenance
- Industrial Automation (RTU, PLC, SCADA)
- Network device configuration
- Fiber Optic Installation and maintenance

WORK EXPERIENCE

Dec 2016 – May 2019	Production Engineer, Surface Mount Technology, Sahasra Electronics Ltd, Rwanda
Dec 2015 - Dec 2016	Project Coordinator, Rwanda Environmental Care, Rwanda
Jun 2015 - Dec 2016	IT Officer Trainee, BUTARO district hospital, Burera / RWANDA

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JEVINARLYS SHIBUYANGA KHAMASI

Kenya | English, Swahili, Kiluhya | **MSc EMoS track:** Embedded Systems

BSc Computer Science, Moi University, Kenya

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AREAS OF INTEREST IN ICT

- Health
- Manufacturing
- Service Industry

ACHIEVEMENTS AND CERTIFICATES

Machine learning certification badge by IBM. 2019

Artificial Intelligence V2 Certification badge by IBM. 2019

IBM Watson V2 certification badge by IBM. 2019

Certificate training in Customer Care Representative.

Won Innovating for Climate Change Hackathon organized by the Kenya Climate Innovation Center (KCIC), Oracle and iHub held on the 2nd to 3rd December 2016, Kenya.

Won Best Product Award in the Hack to Teach Hackathon organized by Ideation and Devpost. 2016, Kenya.

Third Runner-up in Safaricom Blaze Competition, Great Rift region, 2018, Kenya

PROFESSIONAL SKILLS

- Python Programming
- Software requirements analysis
- Hardware programming (C and C++)
- Machine Learning
- Hardware automation (Arduino and Raspberry pi)
- Software Engineering
- Networking
- ICT project Management

WORK EXPERIENCE

Feb 2019 – Jun 2019	Administration and IT officer, Nature Kenya, Kenya
Sep 2016 – Mar 2017	Innovation Intern, Copy Cat Limited, Kenya

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HAPPYNESS ALEXANDER

Tanzania | English, Swahili | **MSc EMoS track:** Mobile Systems

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AREAS OF INTEREST IN ICT

- Health
- Education
- Telecommunication

ACHIEVEMENTS AND CERTIFICATES

First Class, Bachelor of Engineering in Computer Science and Engineering, St. Joseph University in Tanzania, 2009 – 2013, Tanzania

Mobile Application Development, Dar Es Salaam Institute of Technology (DIT), 2018, Tanzania

Design Thinking- IBM Expert, NM-AIST, 2019, Arusha, Tanzania

Current project: Mobile App for the integration of capital markets across East Africa

PROFESSIONAL SKILLS

Java Programming	■■■□□
SQL	■■■□□
Machine Learning	■■■□□
Design Thinking	■■■□□
Collaboration and Teamwork	■■■■□
Leadership	■■■■□
Mobile Application Development (Android)	■■■■□

WORK EXPERIENCE

Jun 2014– May 2019	Tutorial Assistant, Dar Es Salaam Institute of Technology (DIT), Tanzania

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ALBAN MANISHIMWE

Uganda | English, French, Luganda, Swahili | **MSc EMoS track:** Embedded Systems

BSc Computer Engineering, Mbarara University of Science and Technology, Uganda

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AREAS OF INTEREST IN ICT

- Big Data Analysis
- Artificial Intelligence
- Machine Learning
- Block Chain
- Software Development

ACHIEVEMENTS AND CERTIFICATES

Won USD10, 000 from UNFPA to develop Data Driven software for the supply chain of Essential Medicines and Supplies in Uganda.

Machine learning, Artificial Intelligence V2, IBM Watson V2 certification badges by IBM in August 2019

Current project: Development of a Software System for financial sector development of capital markets within East Africa

PROFESSIONAL SKILLS

Python Programming	■■■■□
Java Script	■■■■□
Machine Learning	■■■□□
Data Analytics (STATA, Excel, SPSS packages)	■■■□□

WORK EXPERIENCE

Jul 2017 – Jun 2019	Data Editor, Uganda Bureau of Statistics, Uganda
Aug 2016 – Jun 2017	Co-founder and Project Administrator, Prunes Technologies, Uganda
Aug 2015 – Jul 2016	Ministry of Gender, Labour and Social Development, Uganda

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East African Community

german cooperation
DEUTSCHE ZUSAMMENARBEIT

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

DAAD Deutscher Akademischer Austauschdienst
German Academic Exchange Service

hochschule mannheim

ntw. Hochschule für Technik und Wirtschaft Berlin
University of Applied Sciences

DLR Deutsches Zentrum für Luft- und Raumfahrt
German Aerospace Center

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