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## PERSONAL INFORMATION

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## EDUCATION

[May 2014-Dec 2016]: **KCA University of Nairobi (P. O. Box 56808 – 00200, Nairobi)**

- Bachelor's Degree in Information Technology

[May 2012-Dec 2013]: **KCA University (P. O. Box 56808 – 00200, Nairobi)**

- Diploma in Information Technology

[May 2012-Aug 2012]: **KCA University (P. O. Box 56808 – 00200, Nairobi)**

- Certificate in Information Technology

[ 2007- 2011] **High School Education**

- Kenya Certificate of Secondary Education (K.C.S.E)

[1998- 2006] Wambugu Nyamu Academy (**P. O. Box 627, Karatina**)

- Kenya Certificate of Primary Education (K.C.P.E)
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## CERTIFICATIONS AND PROJECTS

### Certifications

- September 2018 to October 2018 computer pride –CompTIA A+ certified.
  - Dec 2012 to December 2013 KCA UNIVERSITY CICS0 networking (CCNA1-4).
  - Oct 2017 to Dec 2017 Techno Brain C# Programming.
  - 20th April 2015 to 30th April 2015 KCA University Linux administration.
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### PROFESSIONAL TRAININGS-

Course	Offering College/ Institution
- Microsoft Azure Microsoft	Microsoft.
- Microsoft Azure Virtual	Microsoft.
- Microsoft Azure AI Fundamentals	Microsoft
- Linux Essentials	Cisco
- Introduction to Cybersecurity	Cisco
- Cybersecurity Essentials	Cisco
- Azure Hybrid, Multicloud	Microsoft
- Microsoft Azure migration	Microsoft
- Modernizing .NET applications	Microsoft

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### Projects-

- Caspad Transcription ([www.caspad.com](http://www.caspad.com)) it has PayPal integration and it is role based management.
  - Todfix Transcription <https://www.todfix.co.ke/> it has PayPal integration and it is role based management.
  - Super mabati <https://supermabati.co.ke/>
  - Seed delight ([www.seeddelight.co.ke](http://www.seeddelight.co.ke))
  - Ecosystem Technologies (<https://ecosyst.net/>)
  - Drive now (<https://drivenow.co.ke/>)
  - Student management system (<http://kvtc.ac.ke/>)
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### Area of Competence-: Professional software developer and System administration in the following areas

- System developer, Database management and database developer e.g MySQL, PostgreSQL's server etc.
- End point and system Support Consultant, Server engineer and Microsoft 365 support and administration.
- Linux administration, server configuration, backup monitoring, server Virtualization.
- Web application developer, database management and administration.
- Financial system, Reporting system, HRM system and other.
- Web developer with tools like: reactjs, Typescript, php, python, JavaScript, C# and framework like Laravel, Django, vb.net, Angularjs, Materialize, and REST API and using crystal reports. etc.
- Use of cloud architecture such as VPS and management of cloud server e.g. digital ocean, AWS, linode etc.
- Azure Operations, Administration, Cloud Development and Architecture Developer.
- Cyber security: security testing, traffic monitoring and other testing.
- Content management system: Joomla, MS SharePoint Customization and implementation of Odoo ERP, tyton ERP and sap ERP.
- Network Design and Troubleshooting of both LAN and WAN.

#### Skills



### EMPLOYMENT

#### [April 2019 to date]: KENYA FOREST SERVICE (KFS)

(ICT Officer- System Developer)

Key Responsibilities: -

- Undertaking systems developments (system analysis design and coding, testing and development) for approved KFS processes following the recommended system development standards / practices.
- The key developer of E-registration system also knows us sawmillers registration system used to capture sawmillers details and Tree planting and nursery reporting system used for reporting tree planting and nursery details every month other system include Private nursery system, Community forest Association system and Monitoring management system.
- Developing and customizing reports for the developed systems.
- Supporting and maintaining the developed systems.
- Training users on the use of the developed systems.
- Designing, developing and maintaining organization's website.
- Configuring, monitoring and maintaining servers the that runs the systems.
- Administrating Linux servers (centos 7), Server Virtualization, VMware ESX server, Microsoft Azure support and development, Monitoring Virtualization servers Deploying server using VMware and monitoring database backups.
- Maintaining the databases and monitoring database (MYSQL, Oracle)
- Software design and implementation.

#### Achievements:

Between 2019 April to date

- 1) E-registration system for sawmiller at Kenya forest service. This system is an e-forest management system that help to capture details of the business company that want to buy forest products. These products include sawmilling, pole treatment, ply wood, fuel wood. (<http://sawmillers.kenyaforests-service.org/>).
- 2) Tree-Nursery Registration system for private Nursery Farmers at KFS. This system used to register private nursery owner in Kenya and also the tree spices they have in their nursery and the system also help the owner to be certified by KEFRI since it is integrated with the KEFRI certification system. (<http://enursery.kenyaforests-service.org/>).
- 3) Tree planting and Reporting system at KFS. The system is used to monitor and report tree planting and tree nursery both private and KFS based. This cover natural forest and forest plantation and the wider forest geographical areas in Kenya. (<http://sawmillers.kenyaforests-service.org/treeplanting/public>).
- 4) Community forest association system for CFA member at KFS still under development. The system will be used to register all the community forest associations groups and their members and their user right group e.g. grazing, tourism, water

catchment areas etc.

- 5) Monitoring management system still under development (the system is to cover all the project that are sponsored to Kenya forest service e.g. green zone project i, green zone project ii etc.)
- 6) Successfully configured Linux server that used to host systems and also configured MySQL database server and its replication for holding backups and also other cloud-based backups

[Sept 2018 to March 2019]: **BusinessIT Afrika Limited**

Assistant System Administrator

Key Responsibilities: -

- End point and system Support Consultant and Server engineer.
- Software design and implementation. Server Virtualization, VMware, ESX server.
- Web design and Implementation using PHP (Hypertext Pre-processor), JavaScript, bootstrap framework and MySQL database.
- Use of cloud-based Architecture and infrastructure like Microsoft Azure and others Group policy management.
- Configurations of IBM notes client and server and monitoring.

Achievements:

- Successfully configured centos 7 server for the email backups.
- Successfully configured Zimbra Email Server on centos 7.
- Recommended and configured veam backups and cloud server that is hosted in digital ocean.
- Successfully configured VMware workstation, ESX server for virtual servers.
- Successfully developed a helpdesk system using Django framework.

[June 2017 To Sept 2017]: **Wanda Organic**

ICT Support Officer

Key Responsibilities: -

- Analyzing, designing, coding, testing, implementing computer programs and providing user support.
- Software design and implementation.
- Data entry, Data analysis and interpretation.
- Web design and Implementation using PHP (Hypertext Pre-processor), JavaScript, bootstrap framework and MySQL database.
- Monitoring users and providing on desktop support.
- Implementation of System Application Products (SAP), configuration, user acceptance, training and support.
- Trouble shooting local area network, configuration and Email creation.
- Integrating and supporting a USSD system used for ordering products by farmers. Active Directory management and maintenance
- Virtual Server management and configuration.

**Achievement:**

- Successfully designed and developed the organization website.
- Successfully configured a mail server and configured the DHCP server for the organization
- Successfully monitored, trained users the ERP system used by organization.

[MARCH 2016 to August 2016]: **Impax Africa Business Solutions**

Assistance ICT system support

Key Responsibilities: -

- Monitoring users and providing on desktop support: providing support in case of failure.
- Installation of an ERP System: DMS (Distributor Management System)
- Training system users: Trained users on how to use the system.
- Deploying and support systems: in the main various distributors zones and providing on ground support in different sites.
- ICT system analyst and implementation of SAP and configuration.
- Installing and mapping users on DMS system.
- Monitoring everyday data backups and database synchronization

**Achievement:**

Successful implementation, deployment, testing, training the DMS system that is used by Kenya brewery to monitor its production from processing, distribution up to the consumer. The system has a back office the is used by the officers and a front office that is used by the salesman. The front office is mobile application while back office is a desktop application.

**[June 2015 to February 2016]: Data core System Company**

Internship system and Network assistance

**Key responsibilities: -**

- Troubleshooting local area network connectivity problems, both wireless and cabled.
- Installing and mapping users on E.R.P
- Networking field as a network engineer assistant: Structured cabling and Fiber.
- Installation of power generator and power monitoring System: Power monitoring equipment help to prevent danger in case of power failure.
- Installation and configuration of switches, access point and router: This includes configuration of router and switches.
- Installation, designing data centers and configuration of CCTV camera, giving access via web access and mobile.
- Configuration of ups and power inverters: configuring ups based on power generator and Kenya power.

**Achievement:**

Offered Successful IT Support to the Organization and actively participated in setting up network infrastructure, network monitoring, data centers monitoring and configuration and setting up of servers, switches and routers.

**[January 2014- September 2014]: AGA KHAN UNIVERSITY HOSPITAL NAIROBI**

Internship

**Key responsibilities: -**

- Participated in Implementation of care 5.2 system.
- Network Troubleshooting: Both WAN and LAN.
- Preparing Process document for User Training.
- Data entry, Data analysis and interpretation
- Systems Deployment and remote support.
- Designing and Implementing Time Ticketing System.
- Monitoring users and providing on ground support.

**Achievement:**

I have a good knowledge on the systems used in the hospital example: PACS system used for scanning Care2000 system and Care5.2 system which is a hospital management system and other ERP systems used in hospital.

**INTERESTS**

Programming

Travelling

Reading

Networking

Cyber Security

**REFEREES**

Monica Kundu,  
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The BOMA Project,  
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