



INFORMATION AND COMMUNICATION TECHNOLOGY CAREER OPPORTUNITIES IN LESOTHO

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About Custom IT

- ▶ Custom IT Consulting, a wholly owned Basotho business, and a leading Information and Communication Technology (ICT) company that was incorporated and commenced business in March 2010, offering comprehensive expertise in customized ICT infrastructure support services.
- ▶ **Vision:** To be the leading and reliable in customized cost effective ICT Infrastructure business solutions.
- ▶ **Mission:** To provide timely, reliable technical support to our customers and to sell highly customized and innovative ICT services.

ICT?

- ▶ https://en.wikipedia.org/wiki/Information_and_communications_technology
- ▶ Convergence of audio-visual and telephone networks with computer networks through a single cabling or link system.
- ▶ ICT is needed by almost all sectors of business?

ICT Career Opportunities in Lesotho

- ▶ **IT Project Manager (Degree)** – ensure success of IT projects - proper implementation of IT projects
- ▶ **Mobile Applications Developer** – especially cross platform – Use mobile applications to pay bills online and through mobile money; buy equipment online, pay water, DSTV, Electricity bills etc, use in booking systems etc
- ▶ **Cloud Architects and Integrators (Degree)** – set up cloud platforms and integrate cloud based applications – Lesotho is currently in the mission to deploy National e-government portal to integrate all government systems in order for Lesotho citizens to have access to information easily.
- ▶ **Content Management System (CMS) Specialists** – Customize e.g. Wordpress, Drupal etc and integrate with ecommerce solutions. Currently in Lesotho most businesses are beginning to realize the need for corporate websites; buy online etc.

ICT Career Opportunities in Lesotho cont.

- ▶ **Security/Cyber Security Specialist** – Protect Data from hackers – all businesses needs
- ▶ **Virtual Systems Specialist** - virtual machines and hypervisor technology specialist – ensure high availability of host and guest operating systems – cost effective solutions
- ▶ **Data Recovery Specialist (Mobile and Desktops)** - recovery of the digital traces left when using computers on a day-to-day bases inclusive of securely erased files to ensure availability of evidence during investigations.
- ▶ (Full Stack) **Web Application Developer** - skilled in languages like Java, JavaScript, PHP and Python (compatible to desktops and all mobile devices)

ICT Career Opportunities in Lesotho cont.

- ▶ **Software Architect (Degree)** – designs complicated computer software
- ▶ **Software Developer** – research, design, develop, install, test and maintain software systems.
- ▶ **Health Information Specialist** – Lesotho is getting a lot of funding for hospitals and private
- ▶ **User Interface (UI) or User Experience (UX) designers** – make software interface to be more user friendly and more adorable and have great look and feel.
- ▶ **Database Administrators (Degree)** – manage data using specialized software tools to prepare, store and organize data; ensure fast input and output of data through applications;

ICT Career Opportunities in Lesotho cont.

- ▶ **IT Network Engineer** – design, implement, maintain and support communication networks to ensure high availability of network infrastructure
- ▶ **VoIP Solutions Expert / IP Telephony Engineer (Degree)** – Maintain VoIP systems, provide high availability and scalable VoIP solutions, customize VoIP solutions (knowledge of Linux especially in open source solutions)
- ▶ **Quality Assurance Specialist (Degree)**- ensuring that ICT products or services meet established or international standards – Ministry of Trade – Department of Standards?

ICT Career Opportunities in Lesotho cont.

- ▶ **Business Analyst – (Degree in Computer Science)** Liaise between IT sections or departments and management to ensure that IT projects meet business needs and strategic goals; also understanding ICT solutions limitations.
- ▶ **ITIL Specialist – IT Infrastructure Library (ITIL) (Degree)** – Best practices for IT service management and operations in order to deliver value for money to customers. (Quality of service in IT) Plan IT resources, Plan transitions or migrations or upgrades, meet service level agreements, improve efficiency at work etc
- ▶ **Open Source Technical Specialist (Degree)** – provide solutions using open-source solutions; comprehend cloud based deployments and methodologies and develop applications using open source technologies;

ICT Career Opportunities in Lesotho cont.

- ▶ **Network Audit Specialist (Degree)** – hardware and software compliance specialist, maintain an audit trail or logs of traces of important incidences triggered by devices on the network, report network security vulnerabilities, etc
- ▶ **ERP Specialist** – Enterprise Resource Planning Specialist - <https://www.linkedin.com/jobs/erp-specialist-jobs> - provides an integrated and continuously updated view of core business processes; integrate applications for an organisation to collect, store manage and interpret data from many business activities; sales, marketing, product planning, sales, inventory, human resource, purchasing, etc

ICT Career Opportunities in Lesotho cont.

- ▶ **Computer Technician** – provide general help desk support; (fix computers, fix applications, fix printers, sometimes fix computer networks) outsource where necessary.
- ▶ **Cisco Specialist** – A whole range of certifications can be found at <http://www.cisco.com/c/en/us/training-events/training-certifications/certifications.html>
- ▶ **Telecommunications Specialist (Degree)** – design **video, data and voice communication systems.**
- ▶ **Microsoft Specialist** – A whole range of certifications can be found at <https://www.microsoft.com/en-us/learning/certification-overview.aspx> and <https://www.microsoft.com/en-us/learning/specialist-certification.aspx>

ICT Career Opportunities in Lesotho cont.

- ▶ **Oracle Specialist** - A whole range of certifications can be found at <http://www.oracle.com/partners/en/partner-with-oracle/training/specialist/index.html> and
- ▶ **Internet of Things specialist – (Degree)** – focus on technologies behind internet of things, built next generation computing domain which makes the world fully connected.
- ▶ **What is Internet of Things (IoT)?**

https://en.wikipedia.org/wiki/Internet_of_things

Internetworking of physical devices, including but not limited to vehicles, buildings, and other items embedded with electronics and software that enable these objects to collect and exchange data. e.g. control car, house doors, fridges, alarms, lights etc remotely (each device has unique identifier and can be traced independently)

How to look for IT Jobs

- ▶ Apply to volunteer (in cases where there are no vacancies)
- ▶ Make researches about IT business needs and propose business solutions to companies as consultants
- ▶ Use internet to seek for jobs; (www.linkedin.com) , Facebook, etc

Some Inspirations



Recommendations

- ▶ Schools and CHE: Computer Basics to be compulsory
- ▶ Schools and CHE: Insist on Introducing Work Environment behavior courses and entrepreneurial skills courses
- ▶ Students: Register: <https://www.linkedin.com/> and other job seeking online platforms.
- ▶ Students: Know what you want and know your strength and weaknesses
- ▶ Students: Do market research regarding your career path; who needs what you want to do or be?