

# Albert Shirima

**Nationality:** Tanzanian

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## CAREER OBJECTIVE

To succeed in an environment of growth and excellence, and earn a job that provides job satisfaction, self-development and helps me to achieve personal as well as overall organization missions.

## EDUCATION

**September 2013 - June 2017: Chongqing University of Posts and Telecommunications; Chongqing, China**

Bachelor in Computer Science and Technology.

Honorary Certificate for the best final year project in School of Computer Science.

**September 2012 - July 2013: Tongji University; Shanghai, China**

HSK4 Certificate - Chinese Language Studies

**January 2006 - February 2012: Feza Boys' High School; Dar Es Salaam, Tanzania**

Certificate of Secondary Education - Science Studies.

Advanced Certificate of Secondary Education - Physics, Mathematics and Chemistry.

Certificate of Merits - Best Student in Discipline in 2012.

## WORKING EXPERIENCE

**February 2021 - Present: Analyst, MSL Application - NCBA Bank Tanzania Limited**

- Participated on various projects including M-Pawa core systems and data migration from Kenya to Tanzania, credit data cleaning for Credit Reference Bureau reporting, and Zanzibar VAT implementation in digital channels
- Supporting and advising on all technical activities related to the Credit Reference Bureau, including data analysis, cleaning and monthly reporting.
- Providing 1st Level support on IT related projects, and ensuring resolution of service incidents reported to the Unit, and/or provision of appropriate workarounds for incidents escalated.
- Administering all systems for commercial bank and M-Pawa core systems and applications.
- Analyzing, designing and generating various reports as per requested by operations units.

**April 2020 - Feb 2021: Senior Operations and Data Management Officer at Dun & Bradstreet Credit Bureau Tanzania Limited**

- Managed credit data sharing activities including training, data procurement from providers (e.g. CRB data submission), data quality analysis and handling credit information report disputes.
- Supervised and monitored all systems and operations related to data procurement and processing.

- Worked with the business development and technical teams to analyze business requirements for improving our existing products or developing new products.
- Led the entire product development and delivery circle

**April 2018 - March 2020: IT & Operations Officer - Dun & Bradstreet Credit Bureau Tanzania Limited**

- Designed and developed scalable data processing pipelines and analysis tools for internal use and for our clients (financial institutions).
- Assisted and advised clients on data reporting to Bank of Tanzania Credit Reference Databank (CRD).
- Training microfinances on activities related to data sharing to Credit Reference Bureaus.

**November 2017 - February 2018: Software Developer - Dukani Technologies Limited**

- Designed and implemented user interfaces for various company's projects such as Dukani website and Dukani Accounting Application and other internal projects.
- Researched tools, paradigms and technologies that could solve day to day challenges.

## PROFESSIONAL SKILLS

**Backend Web Development:** Golang, PHP, NodeJS, Python & Java; Laravel, Goyave and ExpressJS frameworks

**Frontend Web Development:** HTML, CSS & JavaScript; TailwindCSS, VueJS & NuxtJS Frameworks.

**System Deployment:** Docker Container Platform, Kubernetes, Github Actions and Jenkins.

**UI & UX Designing & Prototyping:** Figma.

**Data Analysis & Engineering:** Golang, Microsoft Excel & Panda (Python Library).

**SQL and NoSQL Databases:** Oracle, PostgreSQL, MySQL, Microsoft SQL Server, Cloud Firestore & Dgraph.

**System Administration:** Linux Server (i.e. Ubuntu & RHEL), Windows Server, MS Exchange Server.

## CURRENT ACTIVITIES

- Working as a Software Developer, Open Source contributor and Application Support.
- Exploring new technologies such as distributed database systems, microservices architecture, cloud native application design, various decentralized system implementations.
- Listening to weekly podcasts covering topics such as software engineering techniques, open source softwares, discussions on industry trends and latest news.

## REFERENCES

**Andrew Badeleya**

D: Assistant Manager - IT Applications  
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**Philip Kundaeli**

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**Silvanus Swai**

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