Roy Junior Ricardo Mohubu

Motswana

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WORK EXPERIENCE

Mobile Datalabs, Gaborone — *Junior Developer*

Jan 2021 - Dec 2022

- Setting a vision for how technology will be used in the company.
- Ensuring that technological resources meet the company's short-term and long-term needs.
- Outline the goals for research and development.
- Creating timelines for the development and deployment of all technological services.
- Making executive decisions on behalf of the company's technological requirements.
- Maintaining a consumer-focused outlook and aiding in the delivery of IT projects to market.
- Managing technology budgets and time frames.
- Ensuring all technology practices adhere to regulatory standards.

Prolube Marketing, Jwaneng — *Contract Coordinator*

Jan 2020 - Aug 2020

- Conduct day-to-day project coordination, planning, and implementation across multiple teams.
- Create functional and technical job documents.

Air Botswana, Gaborone — *Maintenance Engineer Intern*

Jan 2019 - July 2019

- Conduct weekly and monthly aircraft checks.
- Conduct weekly aircraft maintenance planning.

SKILLS

Project Management

Software development

Budgeting and cost analysis

Process improvement

Enterprise design thinking

LANGUAGES

English
Setswana

PROFICIENCIES

Odoo Framework
Narrow Band IoT
LORAWAN
Basics of SQL
Creative Design
C-programming
Shell scripting

INTERESTS

Music
Animation
Movies
Stargazing

EDUCATION

ALX Africa— *Full Stack Software Engineering*

April 2023 - Present

- Git & command line editors
- Introduction to Bash
- C – first statements
- C – pointers
- C – recursion
- C – static library
- C – memory allocation
- C – preprocessor
- C – variadic functions
- C – bit manipulation
- C – file I/O
- Singly linked lists
- Create your own printf
- Create your own Shell

University of Botswana, Gaborone — *Bachelor of Electrical and Electronic Engineering*

Sep 2015 - 2022

Major relevant coursework you engaged with:

- Digital Communication and Telephony.
- Digital Signal Processing I.
- Power Electronics.
- Computer Architecture and Design.
- Antennas and Propagation.
- Computer Networks.

CERTIFICATIONS

Open EDG Python Institute — *Certificate*

Python Essentials

SITRAIN Digital Industry Academy — *Certificate*

Basics of Drives - Converters

- Mains and converter operation
- Operation at constant and variable speed
- How it works:
  - Structure
  - Infeed
  - Power section

REFERENCES

Mr. Ian Ben Smith
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Mr. Lesego Mosweu
Mobile Datalabs
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- - Pulse width modulation
  - Energy flow:
    - 4-Quadrant operation
    - Brake resistor
    - Multiple motor system
  - Control modes:
    - V/f open loop control
    - Speed control

Basics of Drives - Motors

- Synchronous motors:
  - Magnetic forces
  - Design of rotor and stator
  - Applications
- Asynchronous motors:
  - Operating principle
  - Design
  - Startup on mains and on the converter
- Reluctance motors:
  - Operating principle
  - Design
  - Applications
- Final test

Process control engineering for beginner

- Knowledge of the process
- The automation hardware
- The automation hardware
- Operator control and monitoring
- Final test

UC Davis- University of California — *Certificate*

SQL Basics For Data Science Specialization

- SQL for Data Science

Coursera — *Professional Certificate*

Google Data Analytics Professional Certificate

- Foundations: Data, Data Everywhere
- Ask questions to make Data- Driven decisions

IDM Academy — *Professional Certificate*

Enterprise design Thinking Practitioner

- The Practitioner Course will give you a baseline of Enterprise Design Thinking skills: collaboration, synthesis, design research, prototyping, and storytelling.

Cisco Networking Academy, Gaborone — *Certificate*

Jan 2018

Major relevant coursework you engaged with:

- Introduction to IoT
- The Internet of Things 2- Connecting things
- IT Essentials