



Mechatronics and robotics engineer

MPENGELE BISAMBA ERIC

Date of birth: April 17, 1990 (32 years)

Place of birth: Nyembo-DR Congo

Nationality: Congolese (DRC)

Passport N°: OP0548579

Civil status: Bachelor

Sex: Masculine

PROFILE (Main professional educational program)

- **Control, information and software of mechatronic and robotic systems.**
- **Maintenance of mechanical and electromechanical systems.**

CONTACT

Location : Rostov on Don, Russia

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SPOKEN LANGUAGES

French	★ ★ ★ ★ ★
English	★ ★ ★ ★ ★
Russian	★ ★ ★ ★ ★
Lingala	★ ★ ★ ★ ★
Swahili	★ ★ ★ ★ ★

SOFTWARE

AutoCAD, SolidWorks, Creo
Parametric, Kompas, Matlab, Ms
Access, CoppeliaSim

PROGRAMMING LANGUAGE

C (C++), Python, Matlab, Lua,
Assembler

EDUCATION

Sept 2022 - 2026
Rostov-Russia

PhD student at Don State Technical University (DSTU).

- PhD subject: Inertial navigation of a mobile robot;
- Specialty: Robots, Mechatronics and Robotics Systems;

2020 - 2022
Rostov-Russia

Studies of Mechatronics and Robotics Engineering (15.04.06) at Don State Technical University.

- **Master's degree (diploma)** in mechatronics and robotics with **distinction** obtained.
- Obtaining **Two Certificates of participation** in the all-Russian (national) scientific-practical conference, "actual problems of science and technology, 2021 and 2022".

2019 - 2020
Rostov-Russia

Study of Russian language and additional courses at Don State Technical University, at the preparatory faculty.
Russian language certificate obtained.

2010 - 2014
Kolwezi-DRC

Electromechanical Engineering Studies at the Higher Institute of Applied Technologies.
Technician Engineer Diploma obtained.

2002 - 2009
DRC

Secondary School (Studies) in Math-Physics
State diploma obtained.

PROFESSIONAL EXPERIENCE

2020 - 2022
Rostov-Russia
(DSTU Mech. Lab.)

Many works in the field of automation and control (Embedded electronics), which works are defended in conferences.

- **Technologies and equipment used are: microcontrollers, different controllable motors (servomotor, stepper motor, etc.), several sensors (MEMS);**
- **IDE used are: Cube Max, Arduino, etc.**

January 2017 - February 2019
(2 years and 2 months)
Kolwezi-DRC

STS / MUMI COMPANY (Glencore's subsidiary)
Held position: Maintenance Mechanical fitter
Achieved works: the maintenance of various mechanical equipment of the plant: Horizontal Belt Filters (HBF), Gearboxes (Afromix, Mixtec, etc.), belt conveyors, horizontal and vertical pumps (Samco, Warman, etc.),

WEB TECHNOLOGIES

Html, CSS, Django (Python)

IDE (Integrated development environment)

Arduino, Cubemax, Processing,
Proteus, Pycharm, CodeBloacks,
Visual studio code, Matlab

PROFESSIONAL EXPERIENCE

Cobalt hydroxide dryers and its various components (Screw feeder, exhaust fan, motorized rotary valves, etc.), as well as horizontal and vertical pumps refurbishment.

**March 2015 -
November
2016 (≈ 2
years)**
Kolwezi-DRC

GMB / ABB COMPANY (ABB-Sweden's subsidiary)
Held position: Mechanical (Electromechanical) Supervisor

Achieved works: Wiring, connections of cables on different electrical cabinets, assembly and/or installation of various electrical devices (Circuit breaker, disconnecting switch, compressors, etc.), MV terminating and checking, connections checking, and some drawing modification at the conversion station of Kolwezi.

**March 2014 -
May 2014
(2 months)**
Fungurume-DRC

TFM COMPANY (Freeport McMoRan Copper & Gold subsidiary)

Held position: Professional trainee

Achieved works: Maintenance for different mechanical equipment (pumps, compressors, blowers, gearboxes, etc.)

**December 2013
(1 month)**
Kolwezi-DRC

SNEL COMPANY (National Electricity Company)

Held position: Trainee

Achieved works: (New year holiday training) Maintenance and installation of various electrical equipment (cabinet, circuit breaker, capacitor, etc.)

**March 2013 -
May 2013
(2 months)**
Fungurume-DRC

TFM COMPANY (Freeport McMoRan Copper & Gold subsidiary)

Held position: Trainee

Achieved works: (Holiday training) Maintenance for different mechanical equipment (pumps, compressors, blowers, gearboxes, etc.).

**April 2012
(1 month)**
Kolwezi-DRC

GPM AUTOMOTIVE GARAGE

Held position: Trainee

Achieved works: (Holiday training) Vehicles maintenance and repair.

I under sign on my honor that supplied information given above are sincere and exact.

Russia-Rostov on Don,
Mpengele Bisamba Eric

