

# Lwazi Ntshangase

Lwazi Siqiniseko Ntshangase

## Profile

I am a dedicated individual who is currently freelancing Software developer. I am currently looking for an opportunity which will challenge me as a software developer, given the opportunity I would work hard to achieve the company's goals.

## Contacts



+27799203723



ntshangasent@gmail.com

- Gender : Male
- Address: 23 Teddington Road, Bellville, Cape Town, 7530
- Email : [ntshangasent@gmail.com](mailto:ntshangasent@gmail.com) , contact : 0799203723

## EDUCATION

- BSC in Computing (Computer Science and Information System), UNISA: Completed.
  - **Majoring in:**
  - Database RDMS (Oracle and MySQL)
  - Advanced System Development.
  - Data Structures in C++
  - OOP
  - Computer Graphics
  - Qt programming in c++
  - Visual Programming Using Python
- Btech in Mechanical Engineering, CPUT : Completed
- National Diploma in Mechanical Engineering, CPUT: Completed.
- Node.js Master Class: Priphe.com online course
- Nodejs. For beginners: Udemy(Anthony Alicea)
- Angular-the complete Guide: udemy(Maximilian Scharzmuller)
- HTML5 and CSS3 : Priphe.com online course
- Javascript Essentials(ES6): Udemy(Lawrence Turton)

## SKILLS

- Creating wireframes using Pencil software.
- C++ (Did as a subject at Unisa)
- mysql with nodejs as server side language.
- Oracle
- HTML5 and CSS3.
- TypeScript
- RESTFUL api programming using Nodejs.
- Customer profiling.(Helped start-up AirStudent research their market)

- JavaScript for front-end( client scripting, Angular )
- JavaScript for Server Side (Nodejs)
- Angular 9, including working with
  - Services
  - Routing
  - Importing modules like NgxSpinnerModule, ToastrModule ect
  - Using HttpClientModule to cooperating with Backend.
  - Fetching data using the RESTful API provider by backend.
  - Delivering a complete and functioning front end application.
- Debugging of nodejs and Angular bugs.
- Problem solving .
- Very passionate about technology therefore learning a computer language is easy and enjoyable.
- Analytical Skills.

## Experience

Company	From	TO
1. South African Navy	Jan 2009	Dec 2010
2. FFS Refiners	June 2013	Feb 2014
3. Cape Automation Systems	August 2015	Dec 2020
4. Circumfort	Jan 2014	June 2014
5. AirStudent (part-time project based)	Jan 2019-present	Present

### **5. Airstudent (Jan 2019-present)**

Airstudent is travel agency company which works with some airline to help student book their flights and enhance their travel.

**Position:** MEAN Full Stack developer. on part time basis I am called to provide a service, whether it's as simple as redirecting a domain name to DNS server or building an Admin panel to send emails.

**Responsibilities:** Hosting and deploying (AWS) their web app online, building the UI using Angular 9. Changing the website according to their users requirements. Adding features to their web sites from a given requirement and low fidelity prototype. Developing back end website architecture. Ensuring responsiveness of the web applications.

#### **Stack Tech and Tools:**

- Javascript
- Nodejs
- Angular (JS Framework)
- Typescript
- CSS
- C# (MVC )API with Angular as front-end
- HTML
- Visual Studio
- Visual code/ Atom/ Notepad+++
- Bitbucket and Source tree
- Trello
- POSTMAN

#### **4. Circumfort(circumfort.co.za Jan 2014)**

**Position:** Angular developer Freelancer.

Using Angular and Nodejs I built a website app for the management to keep track of their orders and monitor there inventory.

#### **3. Cape Automation System (Aug 2015-31 December 2020)**

CAS is a company in the HVAC sector which automates the operation of the heating /cooling in buildings using a software called Metasys (Building Management Software ).

**Position1: Building Management System Operation and Configuration .**

- Ensuring that there is no error in the software by evaluating error logs .
- Do daily checks on HVAC system equipment. Chillers, cooling towers and Heat pumps to ensure they still communicate with the BMS.
- Configuration field controllers to the Local Network of the clients building.
- Picking up the points from network and mapping to software.
- Ensuring Alarmings reports by Metasys software are attended to.

**Position2: HVAC Technician.****Responsibility:**

Creating Service plans for given duration. Using electrical diagrams to find and fix faults in the 24v control panel which controls and interface with the 3 phase orange panel. Maintain and replace control valves and its actuators Mapping temperatures values to the BMS (MetaSys) for end user. Regas unit with the assistance of a Refrigeration trade tested Artisan. Inspect and clean the outdoor condensing unit.

**2. FFS Refiners (Jan 2013-Dec 2013)**

FFS is an oil refining company which helped me understand a lot about the oil industry technology, while working there my duties were as follows:

**Position: Mechanical Cadet (Research and Development)****Responsibility:**

- Did lots research of work with pilot plants for experiment purposes mainly Visbreaker Plant. Sasol gave FFS a lot of wax oil , rescue heavy oil. Our main objection and duty was to build a pilot plant to break down the molecules so that the oil can be reused. Was taught the process of processing oil to light (Liquefied petroleum gas) and heavy (Asphalt and tar) product
- Was trained on the Vacuum distillation system and Coking units etc.

**2.South African Navy (15 Jan 2009-31 Dec 2010)****Position: Ship Mechanic**

I did maintenance like ensuring that the ship's Diesel generators, Main propulsion and Auxiliary Systems on board are working smoothly.

**Responsibilities:**

I also did maintenance on the following Auxiliary Systems onboard

- Fresh water system
- Bilge ejection system
- Fuel system
- Oil system
- Air system
- ATU system
- Fireman system

The following are so example project I developed:

Project	Tech Stack	Link to the project
1. Circumfort sales management system	NODEJS as server and JavaScript, CSS and HTML for front-end.	<a href="https://circumfort1.herokuapp.com/">https://circumfort1.herokuapp.com/</a>
2. Air student ticket booking	NODEJS on the server side and ANGULARJS, JavaScript, CSS and HTML for the front-end.	<a href="https://airstudent.herokuapp.com/#!/available">https://airstudent.herokuapp.com/#!/available</a>

## Reference

---

Name	Position	Contact:
Asanda Mvakade	Control room Manager	0749959620
Lwanda Shabalala	CTO (AirStudent)	
Jandra Hien	BMS tester and Control Senior Operator	0729049358

