

# **Menzi Lunga Mthembu**

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## **Summary**

Software developer with 8 years experience in the development and design of software applications. I've been involved in all aspects of the software development life cycle ranging from initial meetups with clients to deployments and maintenance processes.

In my experience software development is not just about writing code but also having a clear communication strategy which allows for simplified and efficient solutions for clients.

Social good/social impact is also a target that I'm looking to continue, using technology to help citizens better understand the world around them is a goal I'd like to achieve.

## **Work Experience**

**Senior Software Developer** at OpenUp

**January 2018 – December 2020**

### **Roles and Responsibilities.**

- Working in a team of software developers and with the rest of the OpenUp team to ensure the efficient delivery of quality software products
- Contribute to the development of the organisation's software products
- Promote industry-standard best practices for software development.
- Interact with clients and other stakeholders as necessary for the fulfilment of the job description;
- Advocate for OpenUp and Open Data in general.
- Hire and manage contractors to work on project features.

### **Projects Worked on:**

- Collaborated with National Treasury to create the National Budget Portal (<https://vulekamali.gov.za/>), responsibilities included reviewing code, extracting and analysing data.
- Collaborated with National Treasury to maintain the Municipal Budget portal (<https://municipalmoney.gov.za/>), responsibilities included reviewing code, adding features, extracting and analysing data, holding sprint meetings to discuss roadmaps.
- Collaborated with Parliamentary Monitoring Group to maintain their website (<https://pmg.org.za/>), responsibilities included reviewing code and adding features.
- Maintain an online tool called Wazimap (<https://wazimap.co.za/>) which help visualize census data. Responsibilities included reviewing code, extracting analysing and uploading new data.

- Collaborated with Code for Australia on the Tech For Non Tech Program to help leaders better understand and utilize technology to achieve their goals. This involved creating presentations and tutorials for users to work through.
- Collaborated with Department of Public Service and Administration on a Open Data portal, responsibilities included creating awareness of open-data and creating hackathons for the youth in various parts of the country, finding and extracting open data from various departments and portals.
- Guest Speaker at Github Conference.

#### **Technologies used:**

- Python
- Postgresql
- Django Web Framework
- Django Rest Framework
- Amazon Web Services
- Dokku
- Docker
- Git

#### **Software Developer** at VirtualPostman

**November 2012 – November 2017**

- Meetup with potential clients to address their expectations and needs of our product.
- Develop custom applications for clients to expand out core product.
- Provide training and support for our product to clients.
- Implemented integration with various other products such as a SAP accounting software.
- Designed pdf templates using Jasper reports .
- Built web applications that allows us to monitor clients servers (disk space, backups)

#### **Technologies used:**

- Java
- Wicket web Framework
- Postgresql Database
- Sqlite Database
- H2
- Python
- Mercurial

### **Education**

St Dominc's College

- Matric 2006

### **Courses**

- Applied Data Science with Python (Coursera)
- Programming the Internet of Things (IOT) (Coursera)

- Machine Learning (Stanford Online)
- Introduction to Electronics (Coursera)
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## **Hobbies and Interests**

My next couple of goals is to better learn about systems programming, I'm currently using [\*Rust\*](#) to tackle this.

Machine Learning and Data Analysis and Electronics are fields that I'm currently learning to try and incorporate them into my programming experience.