

# Kibonge Stephane

ID: 870903 6494 183 | Cell: 0027 76 25 64 713

Email: [KibongeSP@gmail.com](mailto:KibongeSP@gmail.com)

LinkedIn: <https://www.linkedin.com/in/stephane-kibonge/>

GitHub: <https://github.com/KMurphs>

## SKILLS

### PROGRAMMING

Over 10000 Lines:

C • C++ • C# and .NET • Python

JavaScript/Typescript •

Bash/Shell/CLI

Over 5000 Lines:

Java • Delphi • MATLAB

Graphical – Test Management -

FPGA:

LabVIEW • TestStand

Web Frameworks:

ReactJS • VueJS • Flask

NodeJS • ElectronJS • AngularJS

Version Control:

GIT • SVN

### Databases

SQL

MySQL • PostgreSQL • SQLite

NoSQL

MongoDB • Redis

### Containerized Applications

Docker • Kubernetes

### PCB Design:

Altium

### Robotic Process Automation / UI Automation:

UiPath • RPA Express

### Others

Elasticsearch • Kibana

Kafka • Jira

## EXPERIENCE

### ETION CREATE | TEST ENGINEER – SOFTWARE ENGINEER

Mar 2019 - Present | Pretoria, ZA

- Optimized and Expanded Software Tracking Solution to allow company to branch into new market and effectively compete for a R1M+ contract.
- Introduced Device and GPS Monitoring Software and Reduced by a factor 5 amount of time spent in testing and monitoring.
- Decreased amount of time setting up PKI critical components for test environments from 2hours to less than 15min.
- Introduced software tool to help test managers reduce amount of time spent in gathering data for reports therefore saving more than 60hours every year.

*Skills Involved: Programming, Linux, bash scripting, Public key infrastructure, Penetration Testing, hashing, encryption/decryption algorithms, RPMA, Kafka, ElasticSearch, Google Maps and OpenLayers, Jenkins, Kubernetes, Git, PostgreSQL, UI Automation*

### PERISEO | ELECTRONIC ENGINEER – SOFTWARE TESTER

Jan 2015 - Mar 2019 | Pretoria, ZA

- Generated revenue to the company by using previously acquired new technology to take on consultancy work in various field such as Smart Meters, Metal Foundries, Missile Test System, Car Parts Production and Manufacturing, bottled beverage production, aerospace, security systems, vision systems...
- Single-handedly introduced better QA processes by integrating various company test systems into a unique SQL backend allowing on-the-fly reporting, tracking of UUTs and improved company auditing resultss.
- Assumed client liaison and provided support as well as training facilitating the adoption of company products into customer systems allowing securement of more than 5 new development projects within 1.5 years.
- Expanded company capabilities by mentoring and multiplied capable resources by a factor of 3 therefore allowing tackling of various parallel projects

*Skills Involved: Hardware Design and Development, embedded software, programming, MySQL, Client Liaison, LabVIEW, TestStand, Software Architecture, Mentoring, Lead Engineering, Project Management*

# Kibonge Stephane

ID: 870903 6494 183 | Cell: 0027 76 25 64 713

Email: [KibongeSP@gmail.com](mailto:KibongeSP@gmail.com)

LinkedIn: <https://www.linkedin.com/in/stephane-kibonge/>

GitHub: <https://github.com/KMurphs>

## EDUCATION

### TSHWANE UNIVERSITY OF TECH.

MENG IN ELECTRICAL ENGINEERING

Control Systems in the context of  
Brain Computer Interfaces using  
Machine Learning Tools for  
Decoding User Intention from  
recorded EEG Activity  
Jan 2018 | Pretoria, ZA

### TSHWANE UNIVERSITY OF TECH.

BTECH IN ELECTRICAL ENGINEERING

Dec 2015 | Pretoria, ZA

Major in Electronics

Cum Laude

### TSHWANE UNIVERSITY OF TECH.

NDIP IN ELECTRICAL ENGINEERING

July 2014 | Pretoria, ZA

Major in Tele - Communication

Cum Laude

## SKILLS

### SOFT SKILLS

Motivation	Active listening
Flexibility	Teamwork
Patience	Responsibility
Empathy	Dependability
Problem Solving	Leadership
Critical Thinking	Customer-centric

## EXPERIENCE

### BATTERY CHARGE/DISCHARGE PROFILING | SOFTWARE ENGINEER

2018 | University of Western Cape. Cape Town, ZA

- Remote Interfacing and Control of electronic load, power supply, third party equipment.
- Client Liaison, Support and Maintenance.
- Ensured Reliability spanning over days.

*Skills Involved: Hardware Design and Development, programming, Client Liaison, LabVIEW, Software Architecture, Training resources, Project Management*

### DRIVER DROWSINESS DETECTION | SOFTWARE ENGINEER – MACHINE LEARNING ENGINEER

2017 | Tshwane University of Tech. Pretoria, ZA

- Real Time EEG Data Acquisition System paired with GPS Data Acquisition relayed to backend vis GSM/GPRS
- Backend Development with AI/Machine Learning with support for real time processing and notification (SMS...).

*Skills Involved: Machine Learning, Web Servers and Frameworks, Python, GSM Communication*

### PERISEO | JUNIOR ELECTRONIC ENGINEER – SOFTWARE TESTER

July 2013 - Jan 2015 | Pretoria, ZA

- Reduced more than 50hours spent in manual labour (testing) during production of batches (of up to 100 items) down to less than 10hours for the entire batch by designing Test System with Hardware, Frontend and Backend Components.
- Single-handedly took over under-performing, problematic and unreliable test system of an entire family of product (with 7 complex products each featuring diverse capabilities), Expanded company capacities by acquisition of new technology that allowed redesign of the test system. Final system performed in some instances 12 time faster than before, allowing testing and reporting of more than 500 of one type of product under an hour.

*Skills Involved: PCB Design, Test Systems Development (Hardware and Software), Embedded Software, PCB Manufacturing, Test Automation*

# Kibonge **Stephane**

ID: 870903 6494 183 | Cell: 0027 76 25 64 713

Email: [KibongeSP@gmail.com](mailto:KibongeSP@gmail.com)

LinkedIn: <https://www.linkedin.com/in/stephane-kibonge/>

GitHub: <https://github.com/KMurphs>

## SOME SIDE PROJECTS

- Iris Classifier: React Web Application, with a Dockerized Backend using Python, Flask and Machine Learning
- Fingerprint Management System in Java and MySQL
- Start-up Ideas: Web Application Clone using React at the frontend, and a Dockerized backend with NodeJS and PostgreSQL
- Secure REST API: Proof of concept using NodeJS, Redis and MySQL
- Reporting Tool: Desktop Application using ReactJS and Electron on the frontend and NodeJS, MySQL on the backend

## AWARDS

2017	National	Certified LabVIEW Architect
2017	Engineering Department	Highest Academic Achievement in BTech Engineering (All Disciplines) at the Tshwane University of Technology by the South African Institute of Professional Engineering Technologists (IPET)
2016	National	Certified LabVIEW Developer
2015	National	Certified LabVIEW Associate Developer
2015	Engineering Department	Best Performing Student at BTech Level
2013	Class of 2013	Best Performing Student in Class of 2013
2012	Electrical Engineering	Best Performing Male Student