



# REYNARDT ANDERSON

Software & Electronic  
Engineer

## About Me

I am a very loyal and hard working individual with eagerness to learn and grow in my profession. I believe that trust in each other, and hard work, can overcome any obstacle in our way.



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[LinkedIn](#)



[Virtual CV](#)



[GitHub](#)

## EXPERTISE

- C, C++, C#
- Python
- Modbus RTU & TCP
- LoRa Communications
- Systems Automation
- Live Data Monitoring
- SQL & Remote MySQL
- Scada
- PLC Developments

## EXPERIENCE

### TKS Solar Engineering 2022-Present

I am a senior software and electronic engineer at TKS Solar Engineering, where I specialize in developing cutting-edge solutions for the renewable energy sector. Here are some of my key accomplishments:

- Created large-scale automation software for full off-grid solar plants up to 1 megawatt, ensuring efficient and reliable operation.
- Developed a live monitoring service, allowing clients to view their system's data in real-time for enhanced performance monitoring.
- Designed and implemented SCADA software, providing additional custom functionalities tailored to the specific needs of our systems.
- Engineered an Energy Management System (EMS) that integrates all components for automation, serving as a custom PLC with customizable pin inputs and outputs.
- Developed a detailed LoRa radio network utilizing RS485 protocol for remote data transfers and custom functionality, enabling seamless communication across the system.

## LANGUAGE

- Afrikaans
- English

## EDUCATION

### Grade 12 / Matric

Hoerskool Waterkloof  
2013-2017

### Unisa

Bed Senior and Futher Educational Training  
Subjects:  
Maths

### NWU

Bsc Information Technology  
3rd Year