

Shane Frédéric Engelbrecht

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SUMMARY OF QUALIFICATIONS

- Over 8 years of experience in industrial automation.
- Strong background in wiring and fault finding.
- Demonstrated ability to work hard and diligently.
- Professional communication skills include fluency in English (*read, write, listen, and speak*).
- Qualified with N5 electrical engineering and N5 Draughting.
- Computer skills include: - MS Office, internet, and email.

PROFESSIONAL EXPERIENCE

Artisan Electrician

1 Jan 2024 - Present

Pailpac, Durban, Republic of South Africa.

- Evaluate energy use and implement methods for reducing usage. Examples would be installing VSD's, converting lighting to LED, Installing Thermal jackets on heating Elements and replacing older components.
- Continuous improvement on methods to reduce energy consumption and increase efficiency.
- Consulted and worked with Vendors and contractors.
- Planned and completed projects which included ordering of parts and managing staff.
- Worked call outs to ensure optimal efficiency of plant and machinery.
- Performed Preventative maintenance on machinery.
- Fault found on various machinery.
- Trained apprentices.
- Basic Knowledge of hydraulics.
- Knowledge of Pneumatics

Artisan Electrician

1 Jan 2019 - 1 Jan 2024

Burcap Plastics, Durban, Republic of South Africa.

- Evaluate energy use and implement methods for reducing usage. Examples would be installing VSD's, converting lighting to LED, Installing Thermal jackets on heating Elements and replacing older components.
- Continuous improvement on methods to reduce energy consumption and increase efficiency.
- Consulted and worked with Vendors and contractors.
- Planned and completed projects which included ordering of parts and managing staff.
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- Performed Preventative maintenance on machinery.
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- Trained apprentices.
- Basic Knowledge of hydraulics.
- Knowledge of Pneumatics

Trainee Electrician

8 August 2016 – 1 January 2019

Reproplast / Burcap Plastics, Durban, Republic of South Africa.

- Maintained injection molding machines.
Duties included working with proxies, Linear/ pressure transducer.
Encoders, servo motors, heaters, and temperature controllers.
- Designed and wired projects.
Which include wiring up an automatic press, material flow systems using plc's, programming small projects and the continual upgrading of these panels.
- Fault finding on various plant equipment which include injection moulding machines, Grinders, and extruders.
- Substation maintenance and installations.
- Worked with Component take out robots.
- Fault finding on safety circuits.

Junior Electrician

9 May 2011 – 18 Jan 2013

Filtec Automation, Durban, Republic of South Africa.

- Experience in a factory environment.
- Wired plc's drives and contactors.
- Made sure deadlines were met.
- Worked on milling machines and lathes.
- Wired, tested and installed machines.
- Fault Finding.

EDUCATION

Advanced Diploma of Industrial Automation and Engineering 2025
Engineering Institute of Technology
Currently in the process of completing this Qualification.

Google Project Management 2023
Coursera

Industrial Energy Management 2023
Udemy

Energy Management Systems 2023
Udemy

Certificate Energy Efficiency and Sustainability 2022
University of Cape town

Trade Test Electrician 2020
Shukela Training Centre, Durban, South Africa

Festo PLC courses 2018
Festo Basic Codesys Course.
Festo Advanced Codesys Course.

Multi-disciplinary drawing office practice N5 2015
Coastal college, Durban, South Africa

Subjects completed are the following
Building Draughting, Structural steel detailing, Cad, Electrical Draughting.

Multi-disciplinary drawing office practice N4 2015
Coastal college, Durban, South Africa

Subjects completed are the following
Pictorial Draughting, Mechanical Draughting, Drawing office practice, General Draughting.

Electrical Engineering N6 (incomplete) 2014
Coastal college, Durban, South Africa.

Subjects completed are the following
Industrial electronics, Electrotechnology, Mathematics

Incomplete subjects

Power machines.

Electrical Engineering N5

2014

Coastal college, Durban, South Africa.

Subjects completed are the following

Industrial electronics, Electrotechnology, Mathematics, Power machines

Electrical Engineering N4

2013

Umbilo Fet College, Durban, South Africa

Subjects completed are the following

Industrial electronics, Electrotechnology, Mathematics, Engineering science

Matriculated

2010

Kloof High School

REFERENCES

On Request