

Curriculum Vitae

Corné Le Roux



Technical designer/developer

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Skills:

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- Software development (from web design to hardware logic)
 - Multi disciplined design and development (graphical, mechanical, electrical)
 - Product support and troubleshooting
 - Electronics and embedded devices
 - Computer literate in all sorts and manner

Toolsets:

Design and Build:

- Solidworks
- Autocad / Draftsight
- Revit
- Sketchup
- Photoshop

Web / Cloud Development:

- NODE-RED
- HTML
- CSS
- JAVASCRIPT
- PHP
- SQL

Software Development:

- CodeSys (CANbus, IEC 61131)
- IQAN design
- Python
- Arduino based C++
- Visual Code
- MIT APP inventor

Experience:

Engineering Top Tech

April 2011 - Present, Richards bay

Most of my technical experience was gained through hard work and good lessons learnt by being part of a versatile team that builds mobile machinery that can withstand extremely harsh operating environments in the mining and industrial industries.

Over the past decade and more I have been independently involved in an assortment of dynamic roles working for a very fast paced company:

- product design
- electrical design
- software design
- graphical design
- product manuals and brochures
- after sale and product support
- remote and site assistance
- product training
- research and development

RJS consultants

2004 - 2011, Sasolburg

Started working for an architectural firm fresh out of school, at first only to “fix the old computers” then quickly got involved as a draftsman in all sorts of interesting architectural projects such as shopping centers, churches and luxury houses.

- Floor layout design
- 3D modeling and rendering for representation and marketing
- Developing working drawings for council submission and build
- Site visit, surveys and inspections

THiNk O2M8

Hardware automation that suits any project.

This is a small project I started as a personal pursuit, that is to provide personalized automation solutions to clients that build their own machines and devices, providing specific functionality and control through software logic and embedded controllers.

- Personal and Industrial hardware automation
- Graphical interface design
- Web / Cloud development
- Laser cut design

Personality:

- Technical minded with a great interest in technology and innovation with a hint of creativity there in the mix also.
- Mostly quiet, calm and friendly even if the pressure is ON to perform fast and hard to meet deadlines and come up with solutions.
- Physical, active and fast... I like to keep fit and run as fast as I can whenever I can. This also reflects on my working performance.

- Very handy with computers in general, having personally tinkered with computers from a very young age since the early 90's, I became very fascinated with the very bare bones of computing ever since.

Education:

Matriculated in 2003 at Sasolburg High School.

Subjects:

- Afrikaans,
- English
- Physiology
- Economics
- Computers
- Hotel management

Other:

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