



# Willem Viljoen

## Software Developer



### CONTACT



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Pretoria, Gauteng, RSA



### Languages

- English
- Afrikaans



### Developer Skills

#### Programming Languages:

- Java
- Javascript
- PHP
- HTML
- CSS/SCSS

#### Libraries:

- React.js
  - Hooks
  - Redux
- jQuery

#### Frameworks:

- Express.js
- Laravel
- Bootstrap

#### Databases:

- MongoDB



### About Me

I am a former successful Mechatronic Engineer with two years of professional experience in the automation industry. I developed a growing interest in the software side of my projects. Following my new found passion, I graduated from HyperionDev as a Full Stack Software Developer and Software Engineer. I aspire to become a successful Senior Software Developer and be part of a collective of like-minded individuals.



### Education

- Zero to Mastery | 01 - 2021 to 09 - 2021  
Complete Web Developer in 2021
- HyperionDev | 01 - 2021 to 08 - 2021  
Immersive Full Stack Web Developer and Software Engineer
- Tshwane University of Technology | 07 - 2017 to 12 - 2018  
Baccalaureus Technologiae Mechatronic Engineering
- Tshwane University of Technology | 01 - 2014 to 06 - 2017  
National Diploma Mechatronic Engineering
- Hoër Skool Vrede | to 2013  
Matriculation



### Work

- Automation Engineer | Full Time  
*Logic Control & Telemetry*  
02 - 2020 to 12 - 2020

#### Responsibilities:

- Designed advanced electromechanical control systems for the automation of industrial applications.
- Created electrical design documents.
- Developed advanced reusable software to control and automate systems.
- Built electromechanical control systems according to design.
- Integrated and tested developed software and electromechanical systems in house.
- Installed and commissioned electromechanical and software systems on site.
- Developed creative and user friendly human machine interfaces to interact with automated systems.
- Identified quality issues and resolved within a 24-hour turnaround time.
- Cooperated with team members and clients during projects to meet deadlines and goals.
- Implemented and tested a variety of different technologies for different projects.

- Automation Engineer | Fixed Term Contract  
*Rhine Automation*  
09 - 2019 to 12 - 2019

#### Responsibilities:

- Postgres
- Microsoft SQL

#### Other:

- Node.js
- MVC

#### Tools:

- IntelliJ
- PHP-Storm
- Visual Studio
- Github
- Git

- Met with clients to set specifications and requirements for projects.
- Calculated and specified components according to quality, availability and price to be used in projects.
- Created electrical design documents.
- Built electrical control panels to requirements and specifications.
- Installed and commissioned tested systems on client premises.
- Customer support for clients on breakdowns software and hardware related.
- Improved and added functionality to previous projects, mechanical, electrical and software related.

#### ● Junior Automation Engineer | Full Time

*Zipcord Industries*

02 - 2019 to 08 - 2019

##### Responsibilities:

- Maintained and Improved a variety of previous and current projects (SLA's), hardware and software.
- Customer support for clients on breakdowns.
- Built and tested advanced automation control systems.
- Calculated and specified components according to quality, availability and price to be used in projects.
- Designed and collaborated as a team to build safety control systems for hazardous environments while maintaining client operations.
- Worked in a highly extreme, fast paced environment.

#### ● Junior Automation Technician | Part Time

*Gibson Technologies*

09 - 2017 to 12 - 2017

##### Responsibilities:

- Created electrical design documents.
- Built, assembled and tested designed systems.
- Collaborated with team members to install designed systems.

#### ● Junior Mechatronics Engineer | Service Contract Fixed Term

*HMT Mechatronics*

01 - 2017 to 06 - 2017

##### Responsibilities:

- Designed automated control systems.
- Designed creative and user friendly human machine interfaces to display accumulated data and to interact with automated processes.
- Installed, calibrated and tested final products on client property, including developed software and hardware.
- Created electrical design documents.
- Maintained previous projects as part of SLAs and replaced faulty components.
- Compiled quotations for customers.
- Cooperated as a team to research and develop products for the company.
- Presented numerous design concepts for research and development using computer aided design software.
- Tracked and updated company stock.

## References

References given on Request due to POPI Act

