Willem Viljoen

Software Developer

CONTACT

- +27 71 484 0813
- viljoenmw3@gmail.com
- Github and Portfolio
- Linked In
- 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:

➢ 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 Mechatronic 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