



# William Smith

## Software Engineer

### KEY SKILLS

#### Front End

HTML5      SASS  
CSS3      Material UI  
JavaScript      Bootstrap  
ReactJS      Adobe XD

#### Back End

NodeJS      MongoDB  
ExpressJS

### EDUCATION

Full-Stack Web Development  
HyperionDev  
2020

Mechanical Engineering  
Durban University of Technology  
2014

### CONTACT

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*I'm a Software Engineer with a background in Control Systems Engineering who is passionate about creating user-friendly applications by writing efficient and maintainable code.*

### PROFESSIONAL EXPERIENCE

- **Freelance Web Developer**  
*Self-Employed | May 2020 - Present*
  - Plan and improve website layouts, user interface and user experience.
  - Create responsive websites using HTML, CSS & JavaScript.
  - Deploy websites and manage hosting.
- **Senior Control Systems Engineer**  
*Integ System Integrators - Cape Town, South Africa | Aug 2019 - Apr 2020*
  - Designed and implemented control system architectures to achieve maximum safety, efficiency and scalability.
  - Programmed, tested and commissioned various PLC based control systems for optimal control and efficiency.
  - Developed, tested and deployed Human-Machine-Interface (HMI) software and user-friendly graphics for various control systems.
  - Created project plans and timelines and ensured 100% on time delivery of software and commissioning.
- **Automation Control Systems Engineer**  
*Merck - Carlow, Ireland | Dec 2017 - Jul 2019*
  - Ownership and administration of OEM control systems in a GMP regulated environment to ensure EMA and FDA compliance.
  - Led system improvements, developed detailed specifications, engineering documents, and standard operating procedures.
  - Led technical root cause analysis, incident investigations and troubleshooting issues related to electrical, instrumentation and control systems.
- **Automation Control Systems Engineer**  
*Devcotech Engineering - Cape Town, South Africa | Nov 2016 - Dec 2017*
  - Programmed, tested and commissioned various PLC based control systems for optimal control and efficiency.
  - Developed, tested and deployed Human-Machine-Interface (HMI) software and user-friendly graphics for various control systems.
  - Led a team of 10 engineering technicians to ensure on time delivery and installation of control system equipment at client sites.
- **Control Systems Technician**  
*Design Technologies - Durban, South Africa | Oct 2015 - Oct 2016*
  - Designed control system panel and wiring layouts.
  - Installed control system equipment and instrumentation.
  - Modified existing control system programs and user interface graphics.
  - Performed factory acceptance tests (FAT) and site acceptance tests (SAT) on control systems and instrumentation.