# W/S

# William Smith
## Software Engineer

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## INFO

- Permanent Resident
- New York, NY
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## KEY SKILLS

**Front End**

| | |
|---|---|
| HTML5 | SASS |
| CSS3 | Material UI |
| JavaScript | Bootstrap |
| ReactJS | Adobe XD |

| **Back End** | **Testing** |
|---|---|
| NodeJS | Jest |
| ExpressJS | Mocha |
| MongoDB | Chai |

## EDUCATION

Applied Mathematics and Computer Science
University of South Africa
2023

Full-Stack Web Development
HyperionDev
2020

Mechanical Engineering
Durban University of Technology
2014

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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.*

## PERSONAL PROJECTS

### Prestige Auto | Full-Stack Application | prestigeauto.herokuapp.com
*Technologies: React / Bootstrap / Node.js / Express.js / MongoDB / JWT*

Designed, developed and deployed a mobile friendly application for a fictional motor car club where members can create a personal profile, browse the fleet of available cars and request a booking. The administrator has access to a dashboard where cars can be created, removed or updated.

### ISS Tracker | Front End Application | iss-tracker.vercel.app
*Technologies: React / Leaflet / Open-Notify API*

Designed, developed, and deployed a mobile-friendly application to track the position of the International Space Station. This application allows users to get real-time data such as altitude, velocity, current crew members onboard as well as the time and date of the next visible pass from the users' location.

## PROFESSIONAL EXPERIENCE

### Freelance Web Developer
*Self-Employed | Apr 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 | Jul 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*

- Owned and administrated 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.