Ireon Louw (BEng)

Test Systems Engineer

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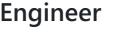
About

From reading numerous resumes, and getting to work with those people, it becomes obvious that the information typically found on a resume is more an idealized version of oneself, rather than the actual representation. Even if one manages to be completely honest on your resume, it still comes down to your own subjectivity on a skill mentioned. Therefore, I would like to request to use the resume below as a mere indicator if the job aligns with my interests and accomplishments, instead of a comparison to another resume.

With that aside, I am someone who loves exploring problems, and helping others find solutions. Especially those problems most people believe are too difficult or beyond their abilities. Although we are in an ever-changing environment, the tools that I am currently equipped with to help solve these problems include,

- **Databases:** SQL, SOQL (Salesforce), & MongoDB
- **Programming Languages:** Python, Javascript + HTML + CSS, & C
- **Version Control:** Git
- **Microsoft Office Suite Applications:** Excel

Work Experience,and Education and Certification, references can be provided upon request.

Work Experience

Test System Engineer   **[2022/10/15 - present]**

TecEx

Part of the Test Automations team responsible for automated software deployment testing. Automated testing is completely internal, with a self-hosted (an AWS EC2 container),test platform, where the automated test can be initiated and reviewed. Currently we perform E2E backend and front-end test where test cases and definitions can be completed by a non-technical person on a fully customized excel template workbook. The test framework is a python-flask application, which serves basic html pages to initiate tests from and is fully integrated with Salesforce, MongoDB, AWS, Lambdatest, SharePoint and Datadog. Common python libraries used include Pytest, Selenium, Pandas, Requests.

Cloud Team of the Year Award [2023]

Trainee Manager at SEA   **[2021/11/01 - 2022/10/12]**

Manager in training. This role consisted of being part of various teams, trying to find inefficiencies and bringing solutions to improve the daily operations for that team. Most notable project, included working in the Advanced driver-assistance system (ADAS) team, and assisting clients with driver and vehicle reports tailored to their needs, as well as API integration. Notable tools used was PostgreSQL (pgAdmin 4), Python and Excel.

Cartrack

Education and Certifications

Bachelor of Mechanical Engineering [2017/01/01 - 2020/12/31]

Graduated in 2020, with an average of 70% over the 4 years.

NWU

Data Science with Python Short Course [2022/04/01 - 2022/06/30]

Completed course in 2022 with an average of 93%.

UCT

CS50x Introduction to Computer Science Course [2023/01/01 - 2023/12/31]

Completed online course in 2023.

HARVARD

Alberton High School [2012/01/01 - 2016/12/31]

Matriculated in 2016, with an overall average of 84%, with distinctions in Mathematics, Physical Science, Accounting, Life Orientation and Afrikaans. Outside the academics, noteable ahievements include,

- 1st team Rugby
- Chess (best senior player)
- Athletics (junior Victor Ludorum)
- Matric Prefect

AHS

Skills and Portfolio ☆☆☆☆☆

→ Python (4+years), Javascript (2+years), C (1+years), Excel (8+years) [1][2] ★★★★★

→ Data Retrieval, Processing & Manipulation [3] ★★★★★

→ Math, Software and Practical related Problem Solving [4] ★★★★★

→ Touch Typing (80+ WPM) and Keyboard Shortcuts [5]   ★★★★★