Simanga Mchunu

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Summary

Software Engineer with experience in all levels of testing, including performance, functional, integration, system, regression, and user acceptance testing. Supportive and enthusiastic team player dedicated to streamlining processes and efficiently resolving project issues. Skilled in current languages and frameworks such as **Python, NodeJS, JavaScript, SQL, Quantum Computing and Programming, React, Django, MongoDB and Flask**.

EXPERIENCES

Statistics South Africa (Contract)
Filed Operation Officer | 21/12/2021 - 30/05/2022

- Coordinate, supervise the work assigned to field-workers
  by ensuring that the work is complete and of acceptable quality
- Technical support and Data collection in the field.

RADIO 1584
Junior Software Engineer | 03/2018

- Worked on Joomla and learned the code base.
- Use MSQL (Python) for database logic and product development
- Completely redesigned mobile web experience, thereby increasing customer satisfaction.
- Carried out unit testing of product before production.
  Investigation, design, and implement scalable applications for data identification, analysis, retrieval, and indexing.

SKILLS

Communication skills, Time management, Bilingual, Leadership, JavaScript, APIS, Html5, AWS, GIT, CSS, Python, SQL, Software development, DevOps, Azure, Flask, Flutter, MySQL, ReactJS, OOP, Problem-Solving, Teamwork, Organization Skills, Attention to details, Webpack.

EDUCATION

HOLBERTON SCHOOL | ALX | California City, CA
Software Engineer-Back-End - | 07/2023

- Learned concepts and programming languages such as; C, Python, HTML, CSS, SQL and MySQL.
- Worked on Linux OS and built shell scripts using bash.
- Worked with data structures algorithm, and databases.
- Collaborated with other software engineers in the US and Africa on GitHub and utilized Git as well.
- Used editors such as emacs and vim to create static libraries
  Worked on systems engineering and networking projects, performance and scalability
- Build APIs and partake in technical writing

University of South Africa| Pretoria, Gauteng

Applied Mathematics and Computer Science | 02/2022 - present

- Learnt programming languages / Mathematics such as C++, LaTeX, Assembly, Calculus, Mathematical Modeling
- Built several apps and projects using learned concepts
- Developed entrepreneurial thinking

Driving license (C1) | Pretoria, Gauteng
Code 10 with PrPD

Programming for Data Science | Udacity 02/2020

- Variables, loops, conditionals, functions, complex data structures, networking, relational databases and data visualization
- Understood concepts of Python and built projects such as a web crawler, probability calculator, polygon area calculator.

LANGUAGES

English, isiZulu, Sepedi, Setswana, Xitsonga, isiXhosa

CERTIFICATES

Programming For Data Science -SQL, PYTHON, GIT, TABLEAU-(Udacity-2020), **AWS Machine Learning Foundation-(**Udacity-2022), **Mathematical Summer in Paris** (Workshop-2023), **Mathematics Problem Solving** – (Limina-2022), **Introduction to Statistics** (Coursera-2021), **Introduction to Data Engineering** (Coursera-2021), **Introduction to Kotlin** (MTN Business App Academy -2021), **Introduction to Data Science and Computational Thinking** (Stellenbosch University-2021), **Introduction to System Administration**(Microsoft-2023). **Quantum Computing and Programming-Diploma**(Workshop-2024)

INTERESTS

- Data Visualization
- Gaming
- Researching
- Reading books
- Traveling
- Leisure coding

Social Links

- GitHub- https://github.com/Simacoder
- Tableau - https://public.tableau.com/app/profile/simanga.mchunu/vizzes
- LinkedIn - https://www.linkedin.com/in/simanga-mchunu-7570078a/