

Thalente Gift Sithole

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Summary

Junior Full Stack Software Engineer with a BSc in Computer Science and hands-on experience building backend services, web applications, AI-powered solutions, data-processing workflows and automation systems. Experienced with Python, JavaScript, React, FastAPI, PostgreSQL, SQL, REST APIs, AWS, Generative AI and distributed task-processing technologies. Built projects spanning frontend development, backend APIs, databases, AI extraction, automation and application workflows. Strong problem-solving and debugging skills with a demonstrated ability to learn new technologies, investigate technical issues and build practical software solutions.

Links: [Website](#), [Linkedin](#), [GutHub](#).

Experience

Junior Developer

Zaio Institute of Technology • Durban (Remote)

09/2025 - 09/2026

- Developed backend and automation solutions using Python, JavaScript, C#, React, HTML and CSS.
- Optimised MS SQL queries to improve data retrieval and application performance.
- Built data workflows using APIs, Azure, AWS and automation tools.
- Used Git and CI/CD for software development and delivery.
- Troubleshoot systems and improved performance in an Agile environment.

Robotic Process Automation Developer Intern

Samsung Future Innovation Lab • Cape Town, Western Cape

09/2023 - 06/2024

- Built RPA solutions using Automation Anywhere, Python and Power Automate to automate repetitive business processes.
 - Developed a customer service application integrating Generative AI, automation and databases.
 - Processed and validated structured data using Python and MS SQL for AI powered workflows.
 - Created Power BI dashboards to monitor operational performance and automation outcomes.
 - Used Git and software testing practices to maintain and improve automation solutions.
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Education

BSc Computer Science

University of the Western Cape • Cape Town, Western Cape

07/2023

- **Relevant Coursework:** Software Engineering, Databases, Artificial Intelligence, Machine Learning, Operating Systems, Computer Networking, Modern Algebra and Advanced Calculus

Grade 12

Wiggins Secondary School • Durban, Kwazulu-Natal

11/2018

- **Subjects:** IsiZulu Home Language, English First Additional Language, Mathematics, Physical Science, Life Sciences, Computer Applications Technology, Engineering Graphics and Design and Life Orientation.
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Skills

- **Languages:** Python, JavaScript, SQL, Java, C#
 - **AI & Data:** Machine Learning Fundamentals, Generative AI.
 - **Frameworks & Tools:** Automation Anywhere, UiPath and Robot Framework
 - **Databases:** MS SQL Server, MySQL, Azure SQL and Query Optimization
 - **Cloud & Platforms:** Microsoft Azure, Power BI, Power Apps, Power Automate, AWS and Docker
 - **Development:** REST APIs, Backend Development, Agile Methodologies and CI/CD Concepts.
 - **Version Control:** Git
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Projects

- **AI Invoice Extractor**
Built an AI-powered invoice processing application using Python, FastAPI, PostgreSQL, Redis, and Celery for automated document extraction and asynchronous processing.
 - **Driving School SaaS Application**
Developed an end-to-end SaaS application using React, ASP.NET Core, Entity Framework Core, and SQL Server, covering frontend, backend, database, and application functionality.
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Languages

- English (Fluent)
 - Isizulu (Native)
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References

Mr. Sibanisezwe Dube

- Zairo Institute of Technology
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Mr. Craig Kannel

- Samsung Future Innovation Lab
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