Sandile Zikalala

Software Engineer

Contact details

Phone number: 072 629 2176

Email address: sandizikz@gmail.com

LinkedIn: Sandile's profile

Profile

Sandile, a graduate from the University of the Free State with a degree in Information Technology, is passionate about implementing his skills to drive organizational success. His technical expertise includes C# programming, Angular and SQL, which he skillfully applies to develop robust .NET web applications and Restful APIs. During his internship at ABSA Bank as a product engineer, Sandile refined code, maintained systems, and provided unwavering support. His focus extended to testing and optimizing **API Gateway** solutions, including the following connected experiences which were the **API Catalogue, Gateway Admin Portal,** and **Developer Portal.**

Beyond his technical expertise, Sandile brings strong soft skills to the workplace, including effective communication, collaboration, and initiative. With over three years of professional experience, he is now seeking opportunities in environments that align with his values whether in the financial sector or in organizations focused on delivering meaningful impact to society.

 Feel free to connect with Sandile if you share his enthusiasm for software development and impactful solutions

Experience / Projects

Junior Full Stack Software Engineer (Product Engineer)	ABSA Bank – via FDM Group	07/2022–present

Sandile is part of the API Gateway team at ABSA, responsible for building and maintaining a suite of portals supporting API integration, client access, and documentation across the bank.

- Full Stack Development: Built and performed maintenance on the Gateway Admin Portal and Developer Portal (Angular, .NET 8) for API access management and analytics.
- API Documentation: Developed the API Catalogue to streamline documentation for ABSA's APIs.
- Backend: Upgraded systems to .NET 8, designed RESTful APIs with ASP.NET Core and PostgreSQL.
- Frontend: Modernized UI using Angular/TypeScript and ABSA's design framework.
- DevOps: Collaborated in an Agile team using Azure DevOps, Git, CI/CD.
- Impact: Reduced bugs, improved platform performance, and supported incident triage as a rotation engineer.

Cyber Security Analyst Intern	Altron People Bytes Solutions	05/2021–02/2022

Sandile worked with the information security team to monitor and evaluate threats that could potentially breach the network.

- Communication skills: Constant communication with team members to make sure all hardware, software and network infrastructure is monitored.
- Creativity and Problem-solving skills: Helped set up rules to make alerts more efficient.
- Time Management skills: Started work on time to make sure he's playing his part monitoring the network in order to mitigate data breaches.

Project	University of the Free State	02/2016–06/2020

Sandile was a BSc Information Technology student who majored in Computer Science and Business Management.

- Leadership: He takes initiative to make sure everyone is communicating when he performed a business management assignment that was based on a business plan.
- Teamwork: Realized people have different ideas on tackling challenges which promotes learning from others when he was contributing to his software engineering project that had to do with an interface for a high school administrator application.
- Work ethic: Pays attention to detail when finishing off a covid-19 application that he realized lacked certain features when he was going through it.

Tutor	Online	02/2016–06/2019

Sandile would tutor High School children in Math, Geography and Technical drawing.
- Work ethic: He made sure he made time for his students even when he was not tutoring them in order to make sure they understand what they are struggling with.
- Attention to detail: He made sure students went through all their module content and that they thoroughly understand every concept they struggle with.
- Adaptability: He could adapt by being able to teach geography with a certain group and move to mathematics or technical drawing with another.

Technical skills

- **Languages**
- **Frameworks**
- **Frontend**
- **Databases**
- **Devops**
- **Concepts**

- C#, TypeScript, SQL, Python
- NET 6/8, ASP.NET Core, Entity Framework
- Angular, HTML5, CSS3
- PostgreSQL, SQL Server
- Azure DevOps, Git, REST APIs
- Agile, CI/CD, Clean Architecture, RESTful Services

Education

BSc Information Technology majoring in Computer Science and Business Management	University of the Free State	02/2016-06/2020

- Software Engineering
- Computer Networks
- Internet Programming

- Human Computer Interaction
- Design patterns

Achievements and Additional Skills

- Certified Ethical Hacker certificate: Beginner
- Azure Data Engineer Associate certificate: Beginner
- Azure Data Fundamentals certificate: Beginner

Hobbies and Interests

- Reading: Reads 10 pages of a non-fiction book on a weekday basis
- Football: Played five aside football with friends and family.
- Web development: Develops websites on his spare time for fun.
- Working out: Goes to the gym six times a day.