

PHUMEZILE TSITSA

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PROFILE

I am a Junior Cloud and Software Engineer with a BSc in Mathematics and Computer Science and hands on experience building cloud native, distributed systems on Microsoft Azure. I have proven ability to design, develop, and deploy scalable microservices, automate business processes, and integrate AI-powered solutions into production environments. I have a strong foundation in software engineering principles, Azure DevOps, and Agile delivery, with experience supporting enterprise clients.

TECHNICAL SKILLS

- **Languages:** C#, Python, JavaScript, TypeScript, Java, SQL.
 - **Cloud:** Microsoft Azure (Functions, SQL Database, Key Vault, Managed Identity, Cognitive Services).
 - **Frameworks:** .NET, React, SharePoint SPFX.
 - **Architecture:** Microservices, Distributed Systems, API Design.
 - **DevOps:** Azure DevOps, Git, CI/CD.
 - **Practices:** OOP, Data Structures & Algorithms, Agile/Scrum.
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EDUCATION

Feb 2019- Jun 2024: BSc in Mathematics & Computer Science – University of Cape Town.

Jan 2016-Nov 2018: National Senior Certificate, Bardale Secondary

- Achieved 4 distinctions in Mathematics, Physics, Biology, and isiXhosa.
 - Top student in the Metro North education District quintile 3 with an average of 80%.
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CERTIFICATES

- **July 2025-Nov 2025:** Developing Solutions for Microsoft Azure (AZ-204).
 - **Dec 2024-Jan 2025:** Azure AI Engineer Associate (AI-102).
 - **Nov 2024-Dec 2024:** Azure AI Fundamentals(AI-100).
 - **Nov 2024-Dec 2024:** Azure Fundamentals(AZ-900).
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PROFESSIONAL EXPERIENCE

Graduate Software Developer – Advania UK

Feb 2025 – Present

- I designed and developed cloud-native microservices using Azure Functions and SQL databases to support enterprise Microsoft 365 solutions.
- I automated document processing workflows using Azure AI Document Intelligence, reducing manual client processes by 40%.
- I implemented multi-geo cloud architectures to ensure data residency compliance across regions.
- I participated in full SDLC including system design, development, code reviews, testing, and deployment.
- I collaborated with senior engineers in Agile sprints to deliver scalable and secure solutions

AI Intern – Microsoft

Nov 2024 – Feb 2025

- I built and deployed AI-powered cloud applications using Azure Cognitive Services and Azure Machine Learning.
- I applied machine learning concepts including classification, NLP, and computer vision in applied use cases.
- I earned Azure AI Engineer Associate (AI-102) certification.

KEY PROJECTS

Azure-Based Snag Extraction System

- Built a queue-triggered Azure Functions workflow to automatically extract structured data from PDF reports.
- Integrated Microsoft Graph API, Azure Key Vault, and Managed Identity for secure enterprise deployment.

Microsoft 365 Multi-Geo Migration

- Supported migration of enterprise workloads to distributed M365 environments.
- Configured region-specific Azure services and authentication mechanisms.

REFERENCES

Available upon request