

OBAKENG SHEPHERD TSAAGANE

SOFTWARE DEVELOPER

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Summary

Full-stack developer, built scalable, secure applications using Python (Django, AI integration), C# (ASP.NET Core), and JavaScript (Node.js, TypeScript). With modern backend architectures.

Education

Belgium Campus ITversity, Software Development 2022 - Present
Web Development | Databases

Skills & abilities

- Languages:** Python, C#, TypeScript, JavaScript, SQL, NoSQL (PostgreSQL, MySQL, MongoDB)
- Frameworks:** Django, ASP.NET Core, Node.js, REST APIs, GraphQL, WebSockets, Authentication & Authorization (JWT, OAuth2, Identity Core)
- Tools:** Git, GitHub, Docker, Unit Testing, Test-Driven Development, Asynchronous Programming
- Platforms:** Azure, Heroku, Railway, Stripe, OpenAI API
- Soft Skills:** Cloud-Native Solutions, Collaboration, Problem-Solving, Continuous Learning

Personal Projects

- Full-Stack Django Application with AI Integration (Python)** July – December 2025
- Developed a Django web app with CRUD operations, authentication, REST APIs, Railway deployment, and AI chatbot/text-image generation using OpenAI API.
- Enterprise-Grade Backend Service with ASP.NET Core (C#)** July – December 2025
- Built a scalable backend with ASP.NET Core MVC/Web API, EF Core, Identity Core authentication, Stripe payment integration, and cloud deployment.
- Real-Time Collaboration Platform with Node.js and TypeScript (JavaScript)** July – December 2025
- Created a collaboration tool with Node.js, Express, WebSockets, GraphQL API, JWT authentication, SQL/NoSQL databases, and secure async deployment.

Certificates

- FNB App Academy Certificate** 2025
- Gained hands-on experience in Full-Stack Development, Backend Engineering, and Agile Practices.
- ISTQB Foundation Level Certificate | Advanced Level – Test Automation Engineer** 2025
- Built a strong foundation in core software testing principles, SDLC-aligned testing strategies, and test automation essentials.
 - Expanded expertise in designing scalable test automation frameworks, integrating with CI/CD pipelines, and driving continuous improvement.