

KGANYA MALEKA

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PROFILE

Highly driven Software Developer with a proven track record in designing and deploying scalable backend systems, distributed architectures, and RESTful APIs. Recognized as a Top 50 Performer at WeThinkCode and a GeoTech Hackathon Winner, I excel at solving real-world problems through innovative, maintainable solutions. My expertise in Java, Docker, and DevOps practices enables me to deliver high-performance, fault-tolerant systems. I am eager to contribute to Atos' mission of advancing digital transformation while growing my technical and professional skillset.

EXPERIENCE

Portfolio Website

Personal Project

- Designed and deployed a backend system using Javalin and Docker, Integrating AI NLP APIs (Gemini, Spotify).
- Maintained 100% uptime with proactive monitoring via UptimeRobot, ensuring seamless accessibility.
- Architected distributed systems with cloud-based deployment, achieving fault tolerance and scalability.

Robot Worlds: Legacy System Enhancement

- Refactored legacy systems, introducing scalable API endpoints that reduced technical debt and improved maintainability.
- Automated workflows with GitHub Actions, reducing CI/CD pipeline time by 50%.
- Boosted system efficiency by integrating advanced customizations for robotic functionality, enhancing overall productivity.

ACHIEVEMENTS

Borderless Hackathon Winner

09/2024

- Delivered an award-winning GEO-AI solution in 18 hours, integrating real-time geospatial APIs.
- Designed scalable backend architecture and developed AI chatbots for flood preparedness, improving community resilience.

WeThinkCode Top 50 Performer

08/2024

- Recognized for excellence in Java OOP and design patterns, consistently delivering high-quality solutions.
- Transitioned from Python to Java, mastering encapsulation, inheritance, and polymorphism.

EDUCATION

Software Engineering (NQF 5)

09/2023 – present

WeThinkCode

Johannesburg

SKILLS

- Languages: Java, Python, JavaScript
- Tools: Docker, GitHub Actions, Apache Maven, JUnit
- Technologies: RESTful APIs, SQL, Cloud Computing, DevOps, Distributed Systems
- Concepts: Object-Oriented Design, Test-Driven Development, Design Patterns
- Soft Skills: Problem-solving, Collaboration, Adaptability, Communication