

KGANYA MALEKA

Full-Stack Software Developer

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Results-driven developer with expertise in backend development, full-stack application design, and the complete Software Development Lifecycle (SDLC), including requirements gathering, design, coding, testing, and deployment. Recognized as a Top 50 Achiever at WeThinkCode and GeoTech Hackathon Winner. Proficient in Java, Python, API development, and DevOps practices, with a strong focus on object-oriented programming (OOP), modern tools, frameworks, and design patterns.

SKILLS

- Programming Languages:** Java, Python, JavaScript, HTML, CSS
- Frameworks:** Spring Boot, Hibernate, Django
- Tools:** Docker, GitHub Actions, Maven, JUnit, Mockito
- Concepts:** APIs, SQL, DevOps, TDD, Design Patterns
- Soft Skills:** Adaptability, Problem-solving, Communication

ACHIEVEMENTS

Borderless Hackathon Winner

09/2024

- Delivered an award-winning GEO-AI solution in 18 hours, with scalable backends and AI chatbots.
- Led the backend development for a flood-monitoring tool using Django, integrating RESTful APIs.

Top 50 Achiever at WeThinkCode

09/2024

- Ranked in the top 10% of the cohort for excellence in OOP, system design, and software development.

EDUCATION

Computer Software Engineering NQF 5

09/2023 – 12/2024

WeThinkCode

- Gained mastery in Java, Python, and Web development through hands-on experience.
- Utilized Git for version control and applied Agile methodologies to streamline development.

PROJECTS

Enviro365 Waste Sorting Application

01/2025 – 01/2025

- Built RESTful APIs with Spring Boot, improving waste lookup efficiency by 25%.
- Containerized and deployed the application on Render cloud using Docker, ensuring scalability.
- Automated CI/CD workflows with GitHub Actions, reducing deployment time by 50%.
- Tested functionality using JUnit 5 and Mockito for robust, maintainable code.

Loadshed Management System

10/2024 – 12/2024

- Designed and crafted RESTful APIs with Java and Javalin, integrating ActiveMQ for real-time updates.
- Implemented ntfy.sh for real-time load-shedding notifications on mobile and web platforms.
- Built a fault-tolerant, distributed system to ensure scalability and reliability.
- Conducted continuous code quality analysis with CodeScene for maintainable development.