Alexander Agu

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EDUCATION

WeThinkCode®　　　　　　　　　　　　　　　　　　　　　　Gauteng, Rosebank
Software Engineering – NQF Level 6 Certificate　　　　　　　　　*Sep. 2024 – Dec. 2025*

EXPERIENCE

Technical Mentor　　　　　　　　　　　　　　　　　September 2025 – Present
Wethinkcode　　　　　　　　　　　　　　　　　　　　　*Gauteng, Rosabank*

- Guided and supported junior students in understanding programming fundamentals, debugging techniques, and software development best practices through one-on-one mentoring and group sessions.
- Created and facilitated hands-on coding workshops and peer-learning activities that improved student engagement and deepened conceptual understanding.
- Provided regular feedback and progress evaluations, helping mentees build confidence, overcome challenges, and improve their coding proficiency.

PROJECTS

Inventory Management System | *React, ASP.NET, PostgreSQL, Docker*　　　June 2025 – Present
Project Link

- Built a full-stack inventory system using ASP.NET (backend) and React (frontend).
- Implemented inventory valuation with weighted average cost and closing stock calculations.
- Containerized the backend using Docker for consistent deployment.
- Enabled real-time inventory tracking and secure CRUD operations.

QuizForge AWS | *React, Gemini API*　　　　　　　　　　　April 2025 – May 2025
Project Link

- Developed a web-based quiz platform to teach cloud computing concepts.
- Integrated Gemini API to auto-generate dynamic and relevant quiz questions.
- Focused on beginner/intermediate learners with engaging UI and gamified elements.
- Built with real-time feedback and smooth user experience in mind.

TECHNICAL SKILLS

Languages: Java, Python, C-sharp, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: React, Node.js, ASP.NET, Springboot
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJe