

MARK OTWANE

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Personal Summary

A self-driven and forward-thinking Computer Science student from Chuka University, specializing in full-stack software development and backend engineering. Passionate about solving real-world problems through clean, scalable code and modern frameworks like NestJS, Angular, and PostgreSQL. With a strong foundation in system architecture and API development, I thrive in collaborative environments where technology meets impact. Outside the code editor, I actively engage in public speaking to share insights on tech trends, developer best practices, and the future of software in Africa.

Education

Chuka University

Bachelor's Degree in Computer Science

Relevant Coursework: Software Engineering, Full-Stack Development, Artificial Intelligence (Self-taught)

Achievements:

- Completed Software Engineering course via FreeCodeCamp
- Completed Full-Stack Software Engineering track with Teach2Give

Technical Skills

Programming Languages & Frameworks:

HTML, CSS, JavaScript, Java, PHP, NestJS, Angular, TypeScript, Tailwind CSS

Databases:

PostgreSQL, MySQL

Web Development:

Full-Stack Development, Responsive Design, RESTful APIs, Cross-Browser Compatibility

Tools & Platforms:

Git, GitHub, Canva, Figma

Content Creation:

eBook Writing, Poetry, Visual Design

Interests:

Artificial Intelligence, Machine Learning, UI/UX Design

Projects

Portfolio Website

- Built a personal portfolio website with subscriber management functionality
- Frontend: HTML, CSS, JavaScript | Backend: PHP & MySQL

University Project Management System

- Developed student/lecturer functionalities using Java and MySQL
- Designed desktop UI with Java Swing and integrated backend logic

Tour Guide Website

- Designed a platform for tourists to book guided tours online
- Tech Stack: PHP, MySQL, JavaScript, HTML/CSS | Design: Canva

Ecommerce Website

- Developed a dynamic ecommerce platform using NestJS (backend) and Angular (frontend)
- Integrated PostgreSQL database for product, cart, and order management

Content & Writing Projects

- Authored and published eBooks on personal development
- Shared original poetry on social media, receiving positive community feedback

Experience

Freelance Full-Stack Developer

2024 – Present

- Designed and deployed responsive websites for local clients
- Improved SEO and site engagement through optimized content and UX practices

Content Writer & Graphic Designer

2024 – Present

- Produced engaging written content (articles, eBooks, poetry)
- Designed graphics for social media, marketing, and personal branding using Canva

Certifications & Training

-  **FreeCodeCamp** – Beginner Software Engineering
-  **Mind Luster** – Java Development
-  **Alison** – Front-End Web Development
-  **Teach2Give** – Full stack Development

Interests & Hobbies

- Prayer and Worship
- Artificial Intelligence & Machine Learning
- Web & Software Development
- Reading & Writing (Poetry and eBooks)
- Creative Arts & Graphic Design

References

Abel Hola

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