

# 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**

Lecturer, Chuka University  
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**Edwin Kinyua**

Pastor, Deliverance Church Ndagani

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