

# KENNEDY NNKO

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## PROFESSIONAL SUMMARY

Security-oriented Full Stack Engineer with hands-on experience building secure, scalable web systems and backend APIs. Strong focus on system architecture, performance, and clean code. Proven track record across production web platforms, automation tools, and open-source systems. Background includes full-stack development, system troubleshooting, and real-world software delivery. Actively building toward high-impact engineering roles.

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## TECHNICAL SKILLS

**Backend Engineering:** Python (FastAPI, Django, Flask), Node.js, REST API design, authentication and access control, secure data handling and validation

**Frontend Engineering:** Next.js, React, HTML, CSS, Tailwind CSS, performance-focused UI implementation, lazy loading, optimization techniques

**Databases:** PostgreSQL, SQL-based data modeling

**Security & Performance:** JWT-based authentication, input validation, system hardening, performance optimization and load reduction

**IT & Systems:** Hardware diagnostics and repair, software installation and configuration, network setup and support, system troubleshooting and preventive maintenance

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## PROFESSIONAL EXPERIENCE

### Izma Technologies

2025 – Present

*Software Developer & Computer Technician*

- Develop and maintain software solutions based on company and client requirements.
- Build and improve web applications across frontend and backend systems.
- Diagnose and resolve hardware and software issues for internal teams.
- Install, configure, and maintain computer systems and networks.
- Support system troubleshooting, updates, and performance optimization.
- Collaborate with team members on technical tasks and project delivery.

### TekSafari

2022 – 2025

*Full Stack Web Developer Intern*

- Built and maintained full-stack web features using Python and Next.js in a production environment.
- Worked across frontend and backend systems, contributing to architecture decisions and deployment workflows.
- Participated in debugging, testing, and release processes.

### E3mpower Africa

2021 – 2022

*Computer Engineering Intern*

- Diagnosed and resolved software and hardware system issues for internal teams and client machines.
- Supported troubleshooting, system installations, and recovery tasks.
- Gained hands-on exposure to real-world technical problem-solving environments.

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## OPEN SOURCE CONTRIBUTIONS

## **Nuru Programming Language**

*Contributor*

- Contributed to an open-source Swahili-based programming language.
- Participated in code improvements and system logic enhancements.

## **EDUCATION**

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### **University of Dodoma**

*Bachelor of Science in Computer Science*

*Expected Graduation: 2028*

## **CORE STRENGTHS**

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- Security-focused mindset with attention to risk reduction and data protection.
- Strong system-level problem solving across software and hardware environments.
- Commitment to clean, maintainable, and scalable code standards.
- Practical engineering approach grounded in real-world delivery.
- Effective troubleshooting and root cause analysis under pressure.
- Clear communication and teamwork in collaborative technical environments.