

Godbless Nyagawa

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godbless-nyagawa



Njoy



Njoy16



Njoy Blog

Fumba, Zanzibar

PROFESSIONAL SUMMARY

Backend developer with 3+ years of experience building scalable server-side applications using Node.js and Express.js. Expertise in RESTful API development, database optimization, and system architecture. Currently specializing in system design while managing hosting infrastructure for multiple client applications with proven track record of 2x performance improvements and 99.9% uptime.

KEY ACHIEVEMENTS

- Architected and deployed RESTful APIs with Node.js/Express.js serving automated logistics and management systems.
- Optimized database queries and implemented caching strategies, achieving 2x performance improvement across client websites.
- Built secure authentication systems using JWT, OAuth, and session-based authentication for multiple production applications.
- Successfully migrated 4 legacy systems to modern architecture while managing hosting infrastructure for 16 WordPress sites and 10+ client applications.

SKILLS

- **Backend Languages:** JavaScript (Node.js), Bash
- **Frameworks:** Express.js, RESTful API Development, Next.js, Loopback.js
- **Databases:** MongoDB, MySQL, Query Optimization, Database Indexing
- **Authentication:** JWT, OAuth, Session-based Authentication
- **Tools & Technologies:** Git, Linux, Postman, REST APIs, Caching, DigitalOcean
- **DevOps & Hosting:** cPanel, VPS Management, WordPress, Server Performance Monitoring
- **Integrations:** Email APIs, Payment Gateway APIs, Third-party Service Integration
- **Soft Skills:** System Design, API Documentation, Client Support, Team Collaboration

EXPERIENCE

Junior Web Hosting Technician

August 2025 – Present

Zanziholics

Onsite

- Manage cPanel and VPS hosting environments on DigitalOcean for 10+ clients with 99.9% uptime.
- Configure and troubleshoot email services, resolving client email account issues and improving delivery rates.
- Install and maintain 16 WordPress websites with performance monitoring and log analysis.
- Migrated 4 legacy web pages to modern architecture, achieving 2x performance improvement.
- Created comprehensive API documentation and web support documentation for internal team use.
- Provide first-level client support and collaborate with creative and operations teams on technical solutions.

Web Developer

Mar 2025 – Present

Porto.Africa - IREN

Remote

- Developed backend architecture for educational platform showcase using Node.js and Express.js.
- Implemented secure authentication systems and database integration with MongoDB.
- Built RESTful APIs for content management and platform demonstration features.

– Integrated third-party APIs for enhanced functionality and user experience.

- **Backend Developer**

Freelancer

Jan 2022 – Present

Remote

- Architected and deployed backend systems for logistics and management platforms using MERN stack.
- Built RESTful APIs with automated email notifications, QR code tracking, and real-time data processing.
- Implemented secure user authentication, role-based access control, and payment gateway integrations.
- Optimized database performance through indexing strategies and query optimization techniques.

- **Technical Translator**

FreeCodeCamp

Jan 2024 – May 2025

Remote

- Translated 100+ backend development and programming tutorials to Swahili, expanding technical resources for East African developers.

PROJECTS

- **Key Management System - Documentation**

University Venue Management Platform

2023

Remote

- Architected backend infrastructure for university venue key management using Node.js and Express.js.
- Implemented role-based authentication system and database optimization for efficient key tracking.
- Built comprehensive REST APIs for venue booking, key assignment, and usage analytics.
- Created detailed API documentation and system architecture guides for future maintenance.

- **HDA Company Infrastructure - hda-company.com**

Web Hosting & Email Configuration

2024

Onsite

- Configured complete hosting environment including server setup, domain management, and SSL implementation.
- Deployed professional email system with custom domain configuration and security protocols.

- **IREN Platform - iren.porto.africa**

Educational Technology Showcase

2025

Remote

- Implemented accessibility features and adaptive learning interfaces
- Smart educational technology empowering visually and hearing-impaired learners

- **Postalite - Modern Logistics Platform**

MERN Stack Application

2024

Remote

- Built comprehensive backend system with Node.js and Express.js for automated parcel tracking and notifications.
- Implemented QR code generation and verification system with MongoDB for efficient data management.
- Developed automated email notification system using third-party APIs for real-time parcel arrival updates.
- Created secure authentication and user management system for Posta Tanzania's digital transformation.

PUBLICATIONS

- **[J.1]** Godbless Nyagawa. (2025). *The Njox A-Z Approach to Writing and Scaling Code*. Published May 1, 2025. Focuses on async-friendly, scalable code patterns.

EDUCATION

- **Mbeya University of Science and Technology**

Diploma in Computer Science

2022 – 2025

Mbeya, Tanzania

COMMUNITY & VOLUNTEER

- **GDSC Member** 2024
Google Developer Student Club Mbeya, Tanzania
– Collaborated on backend development projects and contributed to technical workshops for fellow developers.
- **Blockchain Event Participant** 2021
Maujanja Dodoma, Tanzania
– Gained hands-on experience with blockchain development through technical workshops and seminars.

ADDITIONAL INFORMATION

Languages: English (Fluent), Swahili (Native), Spanish (Intermediate)
Interests: System Design, Backend Architecture, API Design, Performance Optimization, Technical Writing