Naftal Matoya

Software Engineer | Desktop & Backend Specialist

nmatoya04@gmail.com +254741315532 Nairobi, KE naftalmatoya.tech

Profiles

GitHub
github.com/nafdev01

LinkedIn
linkedin.com/in/naftal-matoya-2bbb56245

Skills

Backend Development
Advanced
Python/Django, REST APIs, PostgreSQL, Socket Programming

Frontend Development
Intermediate
React, TypeScript, Rust/Leptos, JavaScript

Systems Programming
Intermediate
Rust, Cryptography, File I/O, Multi-threading

DevOps & Infrastructure
Intermediate
Linux/Nginx, Docker, AWS S3, Git/GitHub

Security & Monitoring
Intermediate
Wazuh SIEM, Encryption (AES/RSA), Vulnerability Scanning, 2FA Implementation

Desktop Applications
Intermediate
PyQt5, Cross-platform, GUI Design, Agent Development

System Documentation
Professional
Technical Specs, Process Mapping, Requirement Analysis, Audit Evidence

Reliability & Resilience
Professional
Monitoring (Wazuh), BCP/DR Testing, System Performance, Troubleshooting

Summary

Passionate software developer and solutions architect with 3+ years of experience building scalable, high-performance systems across cloud-native and enterprise environments. Specialized in Python and Rust with deep expertise in systems design, API architecture, and infrastructure resilience. Committed to delivering robust, production-grade solutions with a reliability-first engineering mindset.

Education

Kabarak University Bachelor of Science • 2nd Upper
Computer Security & Forensics Nakuru, KE • 2020 - 2024

Cybersecurity-focused program, with a personal specialization in secure software development. Key coursework included cryptographic systems, MIS, project management, and software engineering.

Experience

Danlex Partners LLP Nairobi, KE
Software Developer April 2025 - Present

- Deploy, configure, and maintain internal web applications on Linux servers using Nginx, PostgreSQL, and Python, achieving 99.5% uptime.
- Developed Python automation scripts that reduced manual data analysis time by 12 hours per week, decreasing operational overhead by 25%.
- Manage patch cycles, system updates, and backup procedures across 7+ production servers, maintaining security compliance.
- Deployed Wazuh monitoring agents across the server fleet, centralizing logs from 20+ endpoints and reducing incident response time by 40%.

Africa Cybersecurity Consortium Kigali, Rwanda (Remote)
Security Operations Engineer 2024 - 2025 (Part-time)

- Built the Automated Cyber Resilience (ACR) platform, a full-stack solution automating real-time endpoint monitoring across 100+ endpoints.
- Developed an event-driven architecture for processing and correlating endpoint telemetry data, handling 50K+ events per day.
- Designed PostgreSQL database schemas and optimized queries for high-volume log storage, reducing query response time by 60%.
- Collaborated with cross-functional teams to translate security requirements into software specifications, delivering 8+ major features on schedule.

Projects

Automated Cyber Resilience Platform 2024 - 2025
Built a full-stack endpoint monitoring platform using Django (backend), React (frontend), and Python desktop agents. Developed REST APIs for real-time asset tracking, integrated Wazuh SIEM for security events, and implemented PostgreSQL database schemas for flexible asset management. Worked on asynchronous task processing and dashboard visualization.

Secure LAN Chat 2023
Created a secure LAN messaging app with Python, PyQt5, and socket programming. Implemented RSA key exchange and AES encryption for secure messaging, added TOTP-based 2FA using Google Authenticator, and built a multi-threaded server to handle multiple client connections simultaneously.
View on GitHub

File Shredder 2023
Developed a secure file deletion tool in Rust that uses multi-pass overwriting with random data patterns. Built an approval workflow system where employees request file deletion and admins review/approve requests. Learned Rust's memory safety features and file I/O operations while building a practical security tool.
View on GitHub

Certifications

(ISC)² Certified in Cybersecurity (CC) 2024
ISC2 | Member No: 1041189
View on Credly

AWS Certified Cloud Practitioner 2026
Amazon Web Services (AWS)
View on Credly

Security Analyst Training May - August 2024
Cybershujaa, Kenya

References

Available upon request