

LAWRENCE THINDI

Systems Analyst | Software Engineer

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SUMMARY

Dynamic Software Engineering Professional with proficiency leading cross-functional teams across Product Management, Engineering, Security, and Technical Support domains. Proven ability to coordinate with internal teams and external partners (10+) to successfully deliver and launch secure, scalable software products. Skilled in aligning product development with security best practices, fostering cross-team collaboration, and driving execution in agile, fast-paced environments. Keen in managing stakeholder relationships, facilitating communication across technical and non-technical teams, and ensuring timely project delivery.

PROFESSIONAL EXPERIENCE

NATHAN & NATHAN

Dubai, UAE

Software Engineer

Apr 2024 - Present

- Spearheaded the development of an ERP suite leveraging AWS cloud infrastructure, resulting in a 10% increase in clientele, and was commended by the CTO for high standards.
- Designed and deployed three major modules for internal ERP system including user authentication and reporting dashboards, improving system uptime by 99.9% and reducing support tickets.
- Streamlined workflows and pipelines including deployment using custom YAML configurators and scripts leading to a 5% reduction in build time.
- Integrated various security measures such as threat modelling and zero trust into internal systems throughout their lifecycle, enhancing systems resilience by 35% and ensuring robust protection against vulnerabilities.
- Contributed to vulnerability management by conducting thorough assessments and applying patches, improving overall system security by 25% and reducing exposure to potential threats.

MINISTRY OF LABOUR & SOCIAL PROTECTION

Nairobi, Kenya

Systems Developer

Apr 2022 - Apr 2024

- Conceptualized and effected a P2P/Blockchain solution for seamless payments to over 1.3 million cash transfer beneficiaries cutting disbursement times by 12 days and transfer levies by 30%.
- Engineered a secure Knowledge Management System that facilitated encrypted storage of 50,000+ sensitive government documents, enabling easy retrieval and access by 300+ state officers; reduced document search time by 60%.
- Devised a complex AI backed Telegram Bot that enables over 1.3 million beneficiaries to easily query the status of their payment throughout the country reducing amount of clawed funds in accounts by 12%.
- Coded about 100 tests for applications currently in use by the organization thereby improving code efficiency by about 12% and reducing the number of reported production bugs to less than 8 per production version.
- Configured a state-of-the-art firewall, load balancer and core router system that serves over 300 officers.
- Redesigned the network infrastructure used by over 150 officers to increase bandwidth to over 80Mbps thereby improving network reliability and efficacy through reduction of downtime by 30%.
- Collaborated on a CI/CD application deployment pipeline using Jenkins and Ansible for secure Server configuration management revitalizing deployment factor by 2X and reducing deployment periods by 10%.
- Enhanced application security by executing penetration testing via Metasploit and Nmap, pinpointing 50+ vulnerabilities thereby reducing unwanted server traffic by 33%.

DEHTECH

Nairobi, KENYA

Junior Software Engineer

Feb 2018 - Nov 2021

- Created a new system that tracked and examined customer data, increasing sales by 23% within 32 days of implementation.
- Conceived an unmanned email response system, which reduced response time to 3K email messages by 71%.

Selected Project Experience

- Implemented an effective Microservice backed authentication system to authenticate over 5000 users.
- Deployed a data warehouse to enable effective data analysis thereby improving poverty indexing by 8%.

EDUCATION

MASINDE MULIRO UNIVERSITY OF SCIENCE & TECHNOLOGY (MMUST)

Kakamega, KENYA

Bachelor of Science in Computer Science

Sep 2017 - Dec 2021

SKILLS

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- Program Management: SDLC (Software Development Life Cycle), Resource Planning, Jira, MS Project, Teams
 - Technical Skills: Python, R, Microsoft SQL Server, Amazon Web Services (AWS), Azure, NodeJs, JavaScript, SQL, Java, Spring, MongoDB, Serverless, Lambda, Relational databases, non-relational databases, NestJs, NuxtJs, VueJs, NextJs, ReactJs, expressJs
 - Certifications: CLF-C02 (AWS Certified Cloud Practitioner), CC™ (ISC2), INE(CyberSecurity), NetAcad(CyberSecurity)