

Proust Nawiri Ouma

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Portfolio: <https://proust-ouma.web.app/>

Professional Summary

A visionary Lead Software Developer and software engineering graduate with a master's-level foundation, specializing in transforming complex technical challenges into scalable, secure, and user-centric solutions. Combines hands-on leadership in full-stack and mobile development with strategic expertise in AI integration and systems architecture. Recognized for driving innovation, optimizing performance, and delivering exceptional results in fast-paced, collaborative environments.

Experience

Lead Software Developer | 47 Investment

(Current Role)

- Lead the design, architecture, and development of mission-critical software applications, ensuring alignment with strategic business objectives.
- Mentor and coordinate development teams, fostering best practices in coding, security, and agile methodologies to accelerate project delivery and enhance code quality.
- Spearhead the integration of advanced technologies to optimize system performance, scalability, and security across platforms.

Full-Stack Developer (Web & Android) | Wavy Software Solutions

Jan 2024 – Jul 2024

- Web Development: Architected scalable web applications achieving 99.9% uptime; engineered a custom CMS that accelerated content publishing by 50%.
- Android Development: Developed high-performance Android apps (4.8+ Play Store rating); integrated AI-driven features that boosted in-app engagement by 60%.
- Process Leadership: Championed Agile adoption, improving project delivery timelines by 25% across both web and mobile divisions.

Lead System Engineer | Magal Cyber

Oct 2021 – Apr 2022

- Ensured 100% system uptime during critical operations by managing complex network and security infrastructure.
- Reduced critical system incidents by 35% through implementing proactive maintenance protocols and comprehensive team cybersecurity training.
- Authored standardized documentation and SOPs, significantly improving operational efficiency and cross-departmental collaboration.

Education

- **Master of Science in Software Engineering** | University of the People (Currently Pursuing)
- **Bachelor of Science in Software Engineering** | Zetech University (2021 – 2024)
- **Certificate in Computer Packages** | ICS College (2021)

Technical Expertise

- Languages & Frameworks: Java, Python, JavaScript, React, Node.js, Android SDK
- Cloud & Big Data: AWS, Google Cloud Platform, Apache Spark, Hadoop
- AI/ML & Tools: TensorFlow, AI Model Integration, Real-Time Analytics
- Core Competencies: Full-Stack Development, Secure Systems Architecture, AI-Powered Solutions, Scalable Platform Design, Cross-Functional Team Leadership.

Key Projects

E-Wave Museum – Virtual Museum Platform | Lead Developer

- Engineered an immersive 3D virtual museum platform, integrating AI-powered content recommendations that increased average user interaction time by 40%.
- Optimized multimedia rendering and delivery, reducing page load times by 50% while maintaining high-fidelity visual quality.

WavyBot – AI Customer Service Chatbot | Developer & Integrator

Developed and deployed a multi-platform AI chatbot with sentiment analysis, handling complex queries at 90% accuracy and improving customer retention by 30%.

Certifications

- Cisco Certified Network Associate (CCNA)
- Certified Cybersecurity Specialist
- Google IT Support Professional Certificate

Achievements

- Hackathon Winner (2023): Led team to 1st place with a real-time supply chain tracking mobile app prototype.
- "Top Innovator" Award – Zetech Tech Expo 2023: For developing a predictive maintenance system using machine learning.
- Published Contributor: Featured in Kenya Tech Review for insights on "Emerging Trends in AI and Their Impact on Business."

Professional References

Available upon request.