

Daniel Kasambala

Junior Computer Scientist | Full-Stack, Data & ICT Solutions Specialist

SUMMARY

Computer Science graduate with a record of developing full-stack systems to combat web misinformation, leveraging technologies such as LangChain, FastAPI, and MongoDB. Engineered secure REST APIs in Node.js with JWT for the SplitSmart App, optimizing database performance and spearheading documentation. Conceived a mental health mobile app with real-time chatbot support in Flutter, demonstrating user-experience acumen. Compiled practical experience as a Mobile Money Agent, evidencing proficiency in transaction handling and regulatory compliance. Academically grounded from the University of Malawi, with engagement in leadership roles and proactive community development. Well-versed in Python, Java, JavaScript, along with AI/ML, this candidate is poised for tackling complex challenges in backend development, API design, and system integration.

TECHNICAL SKILLS

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|---|--|
| Main Technical Skills | Python, Java, JavaScript, Node.js, FastAPI |
| Programming Languages | Java, JavaScript, Python |
| Python Frameworks | FastAPI |
| JavaScript Frameworks | Node.js |
| Databases & Management Systems / ORM | MySQL |
| SDK / API and Integrations | Facebook Auth, FastAPI, Swagger |
| QA, Test Automation, Security | Postman |

WORK EXPERIENCE

Developer, AI Fact-Checking Agent

Summary: Developed a full-stack system to evaluate web misinformation, ranking sources by credibility.

Responsibilities: Designed MongoDB schemas for efficient data storage; built FastAPI endpoints for system interoperability.

Technologies: FastAPI, MongoDB

Developer, SplitSmart App

Summary: Created secure REST APIs with JWT authentication and group expense logic.

Responsibilities: Optimized database queries; documented APIs with Swagger for team collaboration.

Technologies: Node.js, Express, MongoDB, JWT, Swagger

Mobile App Developer, Lumina Mental Health App

Summary: Delivered a mobile application providing real-time chatbot support and guidance for users.

Responsibilities: Responded to user feedback to enhance usability and engagement.

Technologies: Flutter

Software Engineer, Snovo group limited

Summary: developed the website for the company and work with clients

Responsibilities: application and product development, client collaboration, research and innovation, work with the marketing team

Technologies: frontend : reactjs , nextjs, tailwindcss, backend: php, nodejs, expressjs and fastapi

Agent, Mobile Money Agent work

Summary: Assisted customers in completing transactions, resolving account issues, and explaining service features.

Responsibilities: Maintained accurate records and ensured compliance with mobile money regulations.

EDUCATION

- **Bachelor of Science in Computer Science**
- Gained experience in software development, digital system management, and team-based application design. Developed strong communication and problem-solving skills through academic and practical projects.
- 2021 – 2025

CERTIFICATION

- **Malawi School Certificate Of Education**
- **Certificate in Node.js & Express.js** -TechCrush
- **Certificate of Leadership** - University of Malawi Dance Club
- **Certificate of Completion** - Computer Society of Malawi
- **Artificial Intelligence Fundamentals with Capstone Project** - IBM SkillsBuild

