

STERNS CHATAMBALALA

Full Stack Engineer • Software Architect • AI & Systems Developer

✉sternschatambalala@gmail.com | ☎+265 899 869 683 / +265 993 766 185

GitHub: github.com/sterns-chatambalala | LinkedIn: linkedin.com/in/sterns-chatambalala

PROFESSIONAL SUMMARY

Innovative and results-driven Software Engineer and Systems Architect with over four years of hands-on industry experience building enterprise-grade solutions across full stack development, AI/ML systems, SaaS platforms, and cybersecurity. Holder of a Bachelor of Engineering in Computer Science (Honours) from DMI St. John the Baptist University. Proven track record of delivering high-impact, scalable software products at Peza Systems Limited and MoyoTech. Adept at architecting cloud-native infrastructure, designing RESTful and event-driven APIs, and leading cross-functional engineering initiatives. Passionate about leveraging emerging technologies — including AI automation, machine learning pipelines, and modern DevOps practices — to solve complex real-world business challenges.

PERSONAL INFORMATION

Date of Birth:	27 December 2001
Gender:	Male
Marital Status:	Single
Nationality:	Malawian
Religion:	Christian (C.C.A.P)
Home Village:	Chiponde, T/A Chimutu, Lilongwe District

EDUCATION

Bachelor of Engineering in Computer Science (Honours)

[DMI St. John the Baptist University](#) | 2020 – 2025 (5 Years)

- Specialised in software engineering, systems design, data structures, algorithms, and cloud computing
- Undertook advanced coursework in cybersecurity, database management, network architecture, and AI fundamentals
- Completed capstone projects involving enterprise system development and machine learning integration

Malawi School Certificate of Education (MSCE)

[Malawi National Examinations Board \(MANEB\)](#) | 2019

PROFESSIONAL EXPERIENCE

Full Stack Engineer

[Peza Systems Limited](#) | 2022 – 2024 (2 Years)

- Designed and developed full-stack web and mobile applications using modern frameworks including React, Node.js, and Django, serving thousands of end users
- Built and maintained RESTful APIs and microservices architectures that powered business-critical integrations with third-party platforms and internal services

- ▶ Architected scalable database schemas (PostgreSQL, MySQL, MongoDB) supporting high-concurrency enterprise applications with robust data integrity
- ▶ Collaborated closely with product managers and UX designers to translate business requirements into technically sound, user-centered solutions
- ▶ Implemented CI/CD pipelines using GitHub Actions and Docker, reducing deployment times by over 60% and improving team release velocity
- ▶ Contributed to cybersecurity hardening of production systems including API authentication (OAuth2/JWT), rate limiting, and vulnerability assessments
- ▶ Delivered data dashboards and reporting modules integrating analytics pipelines that informed strategic business decisions

Full Stack Engineer (Senior Role)

MoyoTech | 2024 – Present (2+ Years)

- ▶ Lead full-cycle development of enterprise SaaS products from requirements gathering through architecture design, implementation, and post-launch support
- ▶ Architected multi-tenant SaaS platforms with role-based access control (RBAC), subscription management, and white-label customisation capabilities
- ▶ Engineered AI and machine learning system integrations including natural language processing features, intelligent data classification, and predictive analytics modules
- ▶ Pioneered the adoption of cloud infrastructure on Linux-based environments, containerisation with Docker/Kubernetes, and serverless functions to optimise cost and performance
- ▶ Mentored junior developers and conducted technical code reviews, upholding high code quality standards and engineering best practices across the team
- ▶ Built real-time features using WebSockets and event-driven messaging queues (Redis, RabbitMQ) powering live dashboards and notifications
- ▶ Designed and delivered custom API ecosystems enabling seamless third-party integrations for payments, communications, and analytics services
- ▶ Engaged directly with business stakeholders to translate operational challenges into software solutions that measurably improved efficiency and revenue outcomes

TECHNICAL SKILLS & EXPERTISE

Languages:	Python, JavaScript (ES6+), TypeScript, SQL, Bash/Shell, HTML5, CSS3
Frameworks:	React, Next.js, Node.js, Express.js, Django, Django REST Framework, FastAPI
Databases:	PostgreSQL, MySQL, MongoDB, Redis, SQLite, Firebase Firestore
Cloud & DevOps:	Linux (Ubuntu/Debian), Docker, Kubernetes, GitHub Actions, CI/CD Pipelines, Nginx
AI & ML:	Python ML stack (scikit-learn, TensorFlow, PyTorch), NLP integration, AI API orchestration, LLM application development
Architecture:	Microservices, REST & GraphQL API design, SaaS multi-tenancy, System design & scalability patterns
Cybersecurity:	OAuth2, JWT, SSL/TLS, penetration testing fundamentals, OWASP Top 10, API security hardening
Tools & Platforms:	Git, GitHub/GitLab, VS Code, Postman, Figma (UI review), Jira, Linux CLI

CORE COMPETENCIES

- ▶ Technical Depth & Expertise
 - ▶ Real-World Problem Solving
 - ▶ Business Impact Delivery
 - ▶ Software Architecture & Design
 - ▶ Full SDLC Ownership
- ▶ Team Collaboration & Leadership
 - ▶ Agile & Scrum Development
 - ▶ System Optimisation & Scalability
 - ▶ Cross-functional Communication
 - ▶ Technology Research & Innovation

- ▶ API Design & Integration
- ▶ Scalable Cloud Infrastructure

INTERESTS & HOBBIES

Hobbies

- ▶ Building & experimenting with software systems
- ▶ Exploring AI and cybersecurity technologies
- ▶ Learning emerging web and cloud technologies
- ▶ Problem solving and system optimisation
- ▶ Technology research and innovation

Interests

- ▶ Full Stack Software Development
- ▶ AI & Automation Technologies
- ▶ Cybersecurity Awareness
- ▶ Cloud & Linux Systems
- ▶ Software Architecture & System Design

REFERENCES

Pempho Jim

Chief Executive Officer — MoyoTech

✉mjim24@gmail.com | ☎+265 885 733 118

Mtende Nkandawire

Chief Technology Officer — MoyoTech

✉mtndmkandawire@gmail.com | ☎+265 997 747 036

Lesnat Chatambalala

Dean — Nkhoma College of Nursing and Midwifery

✉chatambalala@gmail.com | ☎+265 888 559 031

Catherine Chatambalala

Business Administrator — Unique

✉chatambalalacatherine@gmail.com | ☎Available on request