

MUHAMMAD SESAY

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EDUCATION

LIMKOKWING UNIVERSITY OF CREATIVE TECHNOLOGY

Bachelor of Science: Information Technology.

Freetown, SL

February 2023

Related Coursework: Data Structures and Algorithms, Web and Object-oriented Programming, Probability & Statistics, IT Intellectual Property Rights and Ethics, Principles of Software Engineering.

EXPERIENCE

JOINHELIX.CO

Full Stack Developer

Remote

June 2026 - Aug 2026

- Built an automated ingestion pipeline that pulls community call recordings from Google Drive and uses LLMs to extract member wins, commitments and profile facts into a structured Postgres database.
- Developed the member platform in Next.js, covering the directory, profiles, onboarding intake and invite flow, secured with row-level database rules so each member only sees what they are entitled to.
- Shipped a retrieval-augmented chat assistant over call transcripts and member records, with embedding search and per-request token cost tracking.
- Delivered scheduled AI agents that generate weekly community summaries and introduction suggestions, replacing work that was previously done by hand.

RECYCLIUM AG

Full Stack Developer
2025

Remote

September 2024 - September

- Implemented key backend functionalities, including product QR code generation and tracking of product stages, enhancing the overall system performance.
- Created a comprehensive reporting system that tracks item collection, storage, and export to PDF formats, providing valuable insights into program performance.
- Developed a robust CRUD feature for managing team members and missions, ensuring seamless tracking of personnel roles and objectives.
- Successfully integrated the coupon system, enabling efficient redemption and issuance of coupons to collectors and participants.

LEGACY NETWORK AG

Full Stack Developer

Remote

June 2023 - April 2024

- Programmed transaction tool backend for interacting with the blockchain to fetch clients information for dashboard rendering.
- Assembled the referral program apis and ensured communion with the frontend.
- Upgraded the databases for in house apps scalability.
- Streamlined apps deployment to cloud services.

SKILLS & INTEREST

Technical: Go, Python, JavaScript, Typescript, Nodejs, React, Redux, Nextjs, jQuery, HTML5, CSS3, Tailwind, AI, Ollama, LLM integration, prompt engineering, embedding workflows.

Professional: Remote Pair-Programming, Teamwork, Mentoring.

Language: English.