

# Michael Obe

[obemichael10@gmail.com](mailto:obemichael10@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## PROFESSIONAL SUMMARY

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Full Stack Engineer with 2+ years of experience building scalable web applications and blockchain solutions. Proficient in TypeScript, React, Node.js, and SQL. Recognized as a top performer in the developer community with two major Hackathon victories (1st Place National, 3rd Place Global). Committed to continuous learning through advanced coursework in backend architecture and system design.

## TECHNICAL SKILLS

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**Languages:** JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3  
**Frameworks:** React.js, Node.js, NestJS, Next.js, Express, Tailwind CSS  
**Tools & Platforms:** Git/GitHub, Docker, Postman, Linux, WebSockets  
**Soft Skills:** Rapid Prototyping, Remote Collaboration, Technical Documentation

## TECHNICAL PROJECTS

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- FundSui** | *SUI Network, Walrus Protocol, React* | [GitHub Link](#) Dec. 2025
- Awarded **3rd Place** (Global) out of 86 projects at the Haulout Hackathon for building a decentralized podcast subscription platform.
  - Integrated Walrus protocol for decentralized storage and Seal for encryption, ensuring user data privacy.
  - Optimized data retrieval latency by implementing a caching database layer, reducing direct blockchain queries.
  - Co-led technical decision-making in a team of 2, managing CI/CD pipelines to ensure rapid deployment.
- Payfrica** | *Node.js, Express, Blockchain* | [Live Demo](#) Dec. 2024
- Awarded **1st Place** (National) out of 10 teams for creating a blockchain-based fintech app in a 48-hour sprint.
  - Architected a lean RESTful API using Node.js & Express to handle the exchange of fiat currency to stablecoins.
  - Implemented secure transaction handling and led a team of 5 developers through agile development cycles.
  - Established version control standards and deployment pipelines, ensuring a working prototype for the final pitch.
- Quiz Whiz** | *WebSockets, Docker, TypeScript* | [GitHub Link](#) Oct. 2025
- Designed and built a full-stack, real-time multiplayer app for public events, optimized for Local Area Networks (LAN).
  - Engineered a system to function in low-connectivity environments, distributing on-site rewards to attendees.
  - Implemented an Admin Dashboard and containerized the production environment using Docker.
  - Achieved 90% system stability during live stress testing at an actual event.

## EXPERIENCE

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- Technical Lead (Blockchain Initiative)** Sep. 2025 – Present  
*SOSC SFUTMINNA Minna, Nigeria*
- Lead technical planning and curriculum development for student blockchain workshops.
  - Instruct university students on SUI blockchain fundamentals and smart contract development.
  - Mentor hackathon teams, selecting students for peer-to-peer learning groups and supervising project execution.
  - Document workshop progress and technical outcomes for organizational reporting.

## EDUCATION & CONTINUOUS LEARNING

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- Software Engineering Certification** 2022 – 2023  
*ALX Africa Remote*
- Completed intensive curriculum in Low-Level Programming (C, Shell) and High-Level Development.
  - Focus Areas: Unix Shell, Data Structures, Algorithms, DevOps, and System Engineering.
- Full Stack Open Certification** Current  
*University of Helsinki (MOOC) Remote*
- Mastering modern JavaScript (React, Redux, Node.js, GraphQL) and Docker-based CI/CD pipelines.
- Computer Science Fundamentals (CS50)** Completed  
*Harvard University (edX) Remote*
- Focus on Algorithmic Thinking, Memory Management (Pointers), and Computational Complexity (Big O).
- Advanced Backend Engineering** Completed  
*Udemy (Hussein Nasser) Remote*
- Specialized in Database Internals (ACID, Indexing) and System Design protocols (TCP/UDP/WebSockets).