Joshua Menayo Onu

Software Engineer specializing in building scalable financial systems, secure backend architectures, and cross-platform mobile applications using Node.js. Passionate about solving real-world problems by delivering reliable APIs, robust authentication protocols, and resilient software solutions.

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SKILLS

- Programming Languages: JavaScript, Java, C#, SQL, Python.
- Frontend & Mobile: React Native, HTML, CSS, Responsive Design.
- Backend Development: Node.js (Express), REST API Design, Authentication & Authorization, System Architecture.
- Databases: SQL Server, MySQL, PostgreSQL, SQL Database Design.
- Tools & Platforms: Git (GitHub), AWS (basic), Visual Studio, Unity.
- Core Concepts: Data Structures & Algorithms, Debugging, System Design, API Integration.

WORK EXPERIENCE

WahyaPay

Software Developer — April 2025 - Present

- Developing a scalable installment-based payment platform, contributing across both backend services and mobile application layers.
- Designed robust retry and failure-handling mechanisms, reducing transaction failure rates by 90% and improving system resilience.
- Built secure authorization middleware and structured business logic handlers to enforce access control and streamline request processing.
- Contributed to the mobile application using React Native, implementing core features including UI screens, transaction PIN validation, and biometric authentication.

TechVibes International Ltd

Software Developer — Jul 2025 - May 2026

- Engineered the backend of a fintech savings platform in partnership with a microfinance bank, supporting secure and scalable financial transactions.
- Designed and deployed secure authentication and authorization mechanisms, improving user account protection and access control.
- Built a comprehensive audit trail system to ensure full traceability of financial operations and support compliance requirements.
- Collaborated cross-functionally with mobile engineers, delivering well-structured APIs and resolving integration challenges.

Software Development Intern — Sep 2023 – Feb 2024

- Developed and maintained the company's OurGroup Fund website using modern web technologies, optimizing user experience across multiple devices.
- Tested and debugged to resolve critical issues.
- Collaborated on Creativity Warehouse website development as secondary developer.

EDUCATION

Federal University of Technology, Minna

Bachelor of Engineering in Computer Engineering - 4.42 GPA — 2018 - 2024