

Alabi Wale Timothy

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PROFESSIONAL SUMMARY

Senior Software Engineer and Engineering Lead with 8+ years of experience architecting high-throughput, distributed systems at scale. Currently leading platform-wide engineering at PiggyVest—one of Africa's largest fintech platforms—overseeing infrastructure for **20M+ wallets** and driving technical excellence across three cross-functional teams. Deep expertise in system design, payment orchestration, and backend architecture using Node.js, TypeScript, Golang, and cloud platforms (GCP, AWS). Passionate about building resilient, future-proof systems and eager to bring this expertise to Canada's thriving technology sector.

TECHNICAL SKILLS

SQL (Postgres, MySQL), MongoDB, JavaScript (Nodejs, React, VueJs), Typescript, Golang, HTML/CSS, Cloud (GCP, AWS, HUAWEI cloud), System Design, API Design, Technical leadership

WORK EXPERIENCE

PiggyTech Global Limited (Fintech) *Lagos, Nigeria*

Engineering Lead, PiggyVest Business (Full Stack Developer) March 2022 – Present

- Led platform-scale architecture for Piggyvest, PocketApp, and Piggyvest Business, maintaining **high availability, performance, and reliability** under rapidly growing transaction and user loads.
- Architected and scaled a **distributed wallet platform supporting 20M+ wallets**, enabling high-volume P2P transfers, bank transactions, interest accrual, and automated payouts.
- Designed a **payment orchestration and routing layer** that dynamically selects providers based on real-time success rates, fund balances, and name-inquiry accuracy—significantly improving transaction reliability and reducing failures.
- Built and mentored **3 high-impact engineering teams** through technical leadership, performance management, and stewardship of engineering excellence and system design standards.
- Drove end-to-end system design for secure, **low-latency, high-throughput financial services**, aligning technical strategy directly with product and business objectives.

PiggyTech Engineering Excellence Award (2023) | Engineering Excellence Award – Pocket (2024)

Etap Inc. (InsureTech) *Lagos, Nigeria*

Full Stack Developer Aug 2021 – Feb 2022

- Designed and launched etapinsure.com, the company's public-facing website.
- Built and maintained RESTful APIs for the mobile application and third-party integration services, collaborating closely with cross-functional teams.
- Led integration of multiple third-party platforms, expanding business functionality and improving operational workflows.

Safelybuy Operating Company Limited (E-commerce) *Lagos, Nigeria*

Full Stack Developer July 2018 – July 2021

- Contributed to the development of the company's e-commerce website and cross-platform mobile applications.
- Designed and maintained APIs powering core e-commerce mobile application features.
- Architected system workflows for real estate and property management modules; managed production website and VPS server post-launch.

7UP Bottling Company *Ilorin, Nigeria*

Intern, Computer Department July 2016 – Sept 2016

- Maintained sales records in Microsoft SQL Server; performed hardware diagnostics and managed internal email communications.

Lautech ICT Department *Oyo, Nigeria*

Programmer Intern July 2015 – Sept 2015

- Developed a biometric attendance system using Java and fingerprint sensors; built a web application with user registration, admin dashboard, and CSV bulk import.

SELECTED PROJECTS

Pathfinder AICA, USA

Full Stack Developer

- Built a full-stack agentic AI platform for guided exploration of academic majors, universities, and career paths. Integrated **LLM-based multi-step agent reasoning**, collaborating with product and AI teams to translate complex guidance logic into a scalable, user-centric system.

Smart Stewards *Lagos, Nigeria*

Full Stack Developer

- Developed a fintech web application managing **2,000+ investment wallets**; features include card/virtual-account funding, investment management, fund withdrawal, and interest locking.

Amaze (amaze.africa)*Lagos, Nigeria*

Front-End Developer

- Built Celebrity and Admin Dashboards with role-based access control for a video shoutout platform serving **1,000+ fans**; implemented booking, payment processing, and video download functionality.

Faaji (faaji.app)*Lagos, Nigeria*

Full Stack Developer

- Designed and launched an event-discovery platform connecting **3,000+ users** to curated events with ticket purchasing; built an event-host management module for tracking sales and fund withdrawals.

Coachli*Lagos, Nigeria*

Full Stack Developer

- Delivered a product rebrand including a redesigned customer dashboard and homepage; built a transaction charge-routing feature spanning both frontend and backend systems.

EDUCATION

Adeleke University*Osun, Nigeria*

B.Sc. Computer Science — First Class Honours Sept 2013 – July 2017

Leadership

- **President**, Nigeria Association of Computer Science Students, Adeleke University Chapter (Aug 2015 – Aug 2016) — Coordinated programs and workshops to support member professional growth; liaised with university administration.
- **Class Coordinator**, Computer Science Department (Sept 2013 – July 2017) — Bridged communication between faculty and students; facilitated peer collaboration and academic organisation.