

VICTOR UZOMA NWOSU

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PROFESSIONAL SUMMARY

Seasoned Software Architect and Senior Developer with over 25 years of experience delivering enterprise-grade financial and transactional systems. Specialist in backend architecture, database engineering, financial systems integration and scalable web platforms. Proven record of designing secure, high-performance solutions powering mission-critical banking and payment infrastructures.

CORE EXPERTISE

Enterprise Backend Architecture • Financial Systems Integration • Card Management Platforms • API & Microservices Design • Database Engineering (MSSQL, MySQL, MongoDB) • Secure Coding Practices • High-Volume Transaction Processing • System Optimisation • DevOps & Deployment Automation

TECHNICAL STACK

Languages: PHP (5–8), Python, JavaScript, SQL

Frameworks: FastAPI, Django, Laravel, Slim

Databases: Microsoft SQL Server, MySQL, MongoDB

Infrastructure: Linux, Windows Server, Apache, Nginx, Docker, Git

Integrations: Core Banking Systems, Payment Switches, ATM/POS Platforms

PROFESSIONAL EXPERIENCE

Chief Software Architect

Digital Quest Ltd, Lagos | 2012 – Present

Architect and lead developer of enterprise financial platforms serving multiple institutions.

Designed scalable backend systems supporting thousands of daily transactions.

Engineered secure API integrations with core banking and switching systems.

Implemented robust database architectures ensuring performance and integrity.

Led development teams and enforced coding and security standards.

Achievement: Delivered a multi-bank card issuance and management platform achieving 99.9% uptime.

Senior Software Developer / Systems Architect

PN Systems Ltd, Lagos | 2006 – 2011

Developed enterprise web applications for financial and corporate clients.

Designed high-performance relational databases.

Integrated payment gateways and third-party financial APIs.

Modernised legacy systems into scalable web architectures.

Software Developer

Union Commercial Technologies, Lagos | 2000 – 2006

Built transaction-processing modules for banking applications.

Optimised database performance and system workflows.

SELECTED PROJECT HIGHLIGHTS

Enterprise Card Issuance Platform (eREQUEST 360)

Modular, multi-tenant system supporting instant, bulk and branch card issuance integrated with core banking infrastructure.

Financial Charges & Billing API

Microservice-based billing engine enabling automated card charge processing and secure cross-platform integration.

Natural Language to SQL Reporting Engine

Self-hosted NLP solution enabling business stakeholders to query enterprise databases securely.

EDUCATION

MSc Information Technology, University of Lagos – 2010

BSc Computer Science, University of Nigeria, Nsukka – 1998

PROFESSIONAL MEMBERSHIP

Nigeria Computer Society (NCS)

Institute of Software Practitioners of Nigeria (ISPON)