

Chukwudubem Osegbe

Software Engineer | Infrastructure & Systems | MSc AI & Automation

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Profile

Software and infrastructure engineer with experience building production web and mobile applications and supporting business-critical banking systems. Work across React, Next.js, React Native, Node.js, APIs and PostgreSQL, alongside RHEL, Windows Server, VMware, reliability and disaster recovery. Currently pursuing an MSc in AI and Automation at University West, developing practical Python, machine learning and automation skills with a focus on trustworthy industrial AI. Open to software, backend, infrastructure, systems and early-career AI/ML opportunities.

Technical skills

Software: TypeScript, React, Next.js, React Native, Expo, Node.js, REST APIs, PostgreSQL

AI and data: Python, Django, NumPy, pandas, scikit-learn; deep learning foundations and automation coursework

Infrastructure: RHEL, Windows Server, VMware vSphere/ESXi/vCenter, patching, hardening, disaster recovery

Delivery: Product engineering, reusable UI components, API integration, code review and mentoring

Professional experience

NIPPYSKY

2024 - Present

Software Engineer & Founder

- Design, build, deploy and maintain web and mobile products end-to-end, covering architecture, backend services, infrastructure, security, CI/CD and production releases.
- Independently shipped **Ugwọ** and **Akù** to the Apple App Store and Google Play, and developed **Decentroneum**, spanning React Native/Expo, Node.js, APIs, databases and cloud infrastructure.
- Own the complete engineering lifecycle from product architecture and implementation through deployment, app-store operations, production troubleshooting and post-launch iteration.

Citizen Monitors

Mar 2026 – Aug 2026

Mobile Application Developer | Contract, remote

- Developed a civic-tech mobile application for election monitoring, incident reporting and access to electoral information using React Native, Expo and TypeScript.
- Built authentication, onboarding, account management and media-based evidence submission, with offline-aware behaviour and reusable, accessible UI components.

Fidelity Bank PLC

May 2023 - Sep 2026

Enterprise Server Administrator | Lagos, Nigeria

- Contributed to a bank-wide SQL Server consolidation and licence-optimisation initiative that avoided an estimated US\$20.3 million in audit and true-up exposure; received a formal senior-management commendation.
- Administered business-critical RHEL, Windows Server and VMware vSphere/ESXi/vCenter environments, including provisioning, patching, access control and hardening.
- Supported disaster recovery, controlled changes and production incident resolution across operating systems, virtualisation, storage and connectivity. Promoted to Assistant Banking Executive in September 2026.

Earlier software experience

Contract and freelance software work was undertaken alongside the infrastructure role.

Yunite

Mar 2023 - Oct 2023

Mobile Application Developer | Contract, remote

- Developed cross-platform mobile interfaces with React Native and TypeScript for a banking product designed for couples.
- Integrated backend APIs, built reusable UI components and improved responsiveness across devices and screen sizes.

Subshare Inc.

Sep 2022 - Aug 2023

Lead Frontend Developer | Remote

- Led frontend development for a subscription-management platform across web and mobile experiences, establishing reusable components and maintainable application structures.
- Mentored junior developers, reviewed code and worked with product, design and backend teams to deliver features.

Selected projects

Decentroneum Wallet | React Native, Expo, Node.js, TypeScript

Built a non-custodial mobile wallet and dApp browser end to end, including encrypted key storage and real-time transaction notifications. Available on iOS and Android.

nippysky.com/ventures/decentroneum

Akù and Ugwo | React Native, TypeScript, Node.js, PostgreSQL

Built an encrypted personal finance tracker and a private IOU/debt tracker, covering budgeting, bills, savings goals and synchronised ledgers. Both available on iOS and Android.

nippysky.com/ventures

Trustworthy AI Assessment Lab | Python, Django, SQLite

Built an educational prototype with dynamic questionnaires, supporting evidence, weighted scoring and category-level recommendations for trustworthy AI self-assessment.

github.com/nippysky-ai-labs/Trustworthy-AI-Prototype-LAB

Education

Master in AI and Automation | University West

2026 - 2027, ongoing | Sweden | 60 ECTS, Production Technology

MSc Information Technology | Valparaiso University

2020 - 2022 | USA | GPA 4.0/4.0

Best Graduating Student; VC Award for Academic Excellence (three awards).

BEng Electrical and Electronic Engineering | Madonna University

2013 - 2018 | Nigeria | Grade 4.21/5.0

Certification and service

Microsoft Azure Fundamentals (AZ-900).

National Youth Service Corps (NYSC), Nigeria | 2018 - 2019.