

NKEIRUKA WHENU

SOFTWARE ENGINEER | AI & EMERGING TECHNOLOGY

SUMMARY

Software Engineer and technical educator with 2+ years of experience building cloud and containerisation products at Canonical, alongside experience founding an emerging technology startup and teaching software development to diverse technical audiences.

Experienced in translating complex technologies into practical workflows, enabling users through hands-on guidance across software engineering, cloud, cybersecurity and emerging AI technologies. Strong software engineer with expertise in React and JavaScript/TypeScript, and a particular interest in applying AI and cybersecurity to improve how engineering teams build, learn and ship.

WORK EXPERIENCE

Canonical, London — Software Engineer
April 2024 - Present

- Implemented and enhanced complex cloud infrastructure workflows, including storage buckets, network peering, security enhancements and identity/permissions functionality, within LXD's browser-based management interface.
- Delivered features, resolved issues and implemented bug fixes, improving performance and accessibility.
- Authored technical articles and contributed to developer relations initiatives, engaging with the wider technology community through industry events such as London Tech Week.
- Contributed to open-source repositories beyond the core LXD product, collaborating across projects and distributed technical communities.

Web3sy, London — CEO & Founder
October 2023 - Present

- Designed and delivered educational content covering AI, Web3, blockchain and other emerging technologies, translating complex technical concepts into accessible, practical learning experiences.
- Operated independently across product, engineering, education, marketing and strategy in an early-stage environment.
- Secured grant funding from Santander and won startup pitching competitions with WrayForward x FounderVine and RareFounders.

Code First Girls, London — *Mid-Level Engineering, CyberSecurity & JavaScript Instructor*
Jan 2023 - Present

- Conducted weekly classes to 100+ students, on the fundamentals of MySQL, Node.js ES6, HTML5 and Responsive Web Design.
- Mentored and empowered learners from diverse backgrounds, adapting technical explanations to different levels of experience and

CONTACT ME

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Founder & CEO of Web3sy, an emerging technology education startup. 2025 Black Tech Achievement Awards nominee for Inspirational Woman of the Year.

Links

[Linkedin](#) | [Github.com](#) |
[Nkeiruka.com](#) | [Web3sy.com](#)

SKILLS

Professional

- Leadership, Public Speaking, Mentoring, Technical Authorship & Developer Relations
- Agile & Scrum Methodologies

Technical

- TypeScript, JavaScript, React, React Native, Redux, Node.js, Python, SQL, NoSQL.
- Junit, Jest, Playwright
- Generative AI, Prompt Engineering, Blockchain, Web3, Cybersecurity
- Cloud Computing, Containers, Docker, Kubernetes, Microservices, AWS, GCP.

PROFESSIONAL DEVELOPMENT

AWS Cloud Practitioner
Amazon Web Services

learning styles.

We are the News, London — *Blockchain Advisor*
Sept 2022 - Oct 2022

- Presented educational sessions on Blockchain and Web3 technologies, cryptocurrencies, and tokens.
- Advised and suggested future implementations of Web3 technologies to their existing ecosystem.
- Demonstrated practical application by creating and minting Non-Fungible Tokens, showcasing potential use cases.
- Educated on Blockchain technologies such as Rust, Solidity and Polkadot.

Publicis Sapient, London, Farringdon — *Software Engineer Intern*
Jul 2022 – Sep 2022

- Designed, engineered, and implemented a recycling Android/iOS application for Unilever, contributing to environmental sustainability in 5 weeks.
- Utilized React Native, Node.js, and PostgreSQL to develop a cross-platform solution.
- Developed DevOps skillset using technologies such as Docker, Kubernetes and Microservices.

Cisco Systems, Feltham — *Software Engineer Intern*
Jun 2021 – Jul 2022

- Implemented valuable front-end features to large-scale repositories, enhancing internal services with technologies such as Redux.
- Gained proficiency in various front-end, back-end and CI/CD technologies, including React.js, Jest, Log4J, Jenkins, Postman, and Charles Proxy.
- Spearheaded the first CBP UKI Summit event within the Cisco Black Professionals Network, showcasing leadership, and project and event management capabilities.

EDUCATION

University of York, York — MSc Cyber Security
Sept 2024 – January 2027

Royal Holloway University of London, Egham — *BSc Computer Science with Software Engineering, First class honours*
Sept 2019 – July 2023

PROJECTS

Github — github.com/kxiru

A range of Android and Web applications and projects, including ISBScan, a React-Native ISBN-Scanning book keeping app and Qloq, a WearOS pet simulation game for smart watches.

Nytwalker — kxiiru.itch.io/nytwalker

An RPG Horror game developed in Unity using C#. Previously a visual novel developed using RenPy and Python in 2017.

2022

MongoDB Associate Developer
MongoDB
2022

Full-Stack Development Bootcamp
Coding Black Females
2023

LANGUAGES

- English, Fluent
- French, Intermediate
- Japanese, basic proficiency

CERTIFICATIONS

- Cisco x BGIT CyberSecurity Certification
- Google UI/UX Design Certification
- Google Project Management Certification
- Meta Advanced React