

NKEIRUKA WHENU

Software Engineer | Developer Relations | AI & Emerging Technology

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SUMMARY

Multi-faceted Software & Developer Relations Engineer with over five years of industry experience spanning software engineering, open-source development, technical education, entrepreneurship, and technical advocacy.

Energetic and experienced in translating complex technologies into practical workflows, empowering 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.

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

WORK EXPERIENCE

Software Engineer | Canonical, London

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.

CEO & Founder | Web3sy, London

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 for diverse technical and non-technical audiences.
- 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.

Mid-Level Engineering, Cybersecurity & JavaScript Instructor | Code First Girls, London

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 learning styles.

Blockchain Advisor | We are the News, London

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.

Software Engineer Intern | Publicis Sapient, London, Farringdon

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.

Software Engineer Intern | Cisco Systems, Feltham

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

MSc Cyber Security | University of York, York

Sept 2024 - January 2027

BSc Computer Science with Software Engineering, First Class Honours | Royal Holloway University of London, Egham

Sept 2019 - July 2023

SKILLS

Professional: Leadership, Public Speaking, Mentoring, Technical Authorship & Developer Relations, Agile & Scrum Methodologies, Open-Source

Technical: TypeScript, JavaScript, React, React Native, Redux, Node.js, Java, Python, SQL, NoSQL

Testing: JUnit, Jest, Playwright

Emerging Tech: Generative AI, Prompt Engineering, Blockchain, Web3, Cybersecurity

Cloud & DevOps: Cloud Computing, Containers, Docker, Kubernetes, LXD, Microservices, AWS, GCP

PROJECTS

GitHub - [@KXIRU](#)

- A range of Android and Web applications and projects, including Qloq, a WearOS pet simulation game for smart watches.

Shelf'd - [Shelf'd by Nkei Studios](#)

- Shelf'd is a simple way to keep track of what you're reading. Scan the ISBN, it's logged — shelves, ratings, notes, all in one place. Built for people who collect physical books, not just track ebooks.

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.

PROFESSIONAL DEVELOPMENT & CERTIFICATIONS

- AWS Cloud Practitioner - Amazon Web Services
- MongoDB Associate Developer - MongoDB (2022)
- Full-Stack Development Bootcamp - Coding Black Females (2023)
- Cisco x BGIT Cybersecurity Certification
- Google UI/UX Design Certification
- Google Project Management Certification
- Meta Advanced React

LANGUAGES

English (Fluent) • French (Intermediate) • Japanese (Basic proficiency)