

Landry Nsengiyumva

Aspiring software engineer and a final-year Computer Science student specializing in full-stack software development, scalable infrastructure, and web and mobile application development.

Located in Brighton, UK (open to relocation)

Experience

Course Representative

September 2024 - Present

- Elected to represent Computer Science student's views and concerns
- Acted as a liaison between students and faculty, advocating for academic and welfare improvements
- Facilitated communication to ensure student feedback was addressed
- Collaborated with university committees to enhance the student experience

Projects

Skip App- A PWA for resource sharing (React, Node.js)

<https://skipapp.landryn.dev>

- Developed a mobile-friendly PWA that allows users to share and discover free household goods using an interactive map.
- Integrated geolocation for real-time object submissions, image uploads, and status tracking.
- Designed a RESTful API with Express.js and MongoDB, optimizing for offline access using service workers and caching strategies.

Brighton Digital Marketplace – A Secure Student Trading Platform (Next.js, Node.js) – Team Lead

<https://marketplace.landryn.dev>

- Lead a team of four to design and develop an online marketplace for students to buy and sell products securely.
- Implemented user authentication, product listings, shopping cart, and an admin dashboard for moderation.
- Leveraged Next.js for server-side rendering, Payload for authentication, and MongoDB for scalable data storage.
- Ensured security and compliance with GDPR through encryption and access control measures.

Cloud self-hosting and Docker deployment

- Configured and secured a Virtual Private Server (VPS) running Linux Ubuntu for self-hosting applications.
- Set up SSH authentication, disabled root login, restricted port access, and implemented firewall rules.
- Enabled automatic updates and applied security best practices for server hardening.
- Deployed applications using Docker Stack, optimizing for scalability and maintainability.


Contact Me

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Education

University Of Brighton

BSc Hons Computer Science

Grad June 2025

Key Skills

Programming languages: Primarily Java, JavaScript and SQL

Software Development: object-oriented programming (OOP), version control (Git), and development methodologies like Agile and Scrum

Adaptability: I am willing to learn new technologies and adapt to evolving environments

Additional Skills

DevOps: Experience with Docker

Security: Awareness of basic security concepts like encryption, authentication, and data privacy

Typing: Average 90wpm

Languages: English and French

Relevant Coursework

- Data Structures and Operating Systems
- Object-Oriented Design and Architecture
- Advanced Web and Mobile Application Development
- Object oriented development and testing
- Functional Programming
- Programming languages, concurrency and client server computing

Activities and Interests

Multilingual Communication

Creative Photography

Online Courses/Certifications

Team Sports or Group Activities