

Ivan Arabome | Front-End Engineer

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Portfolio: <https://ivan-arabome.netlify.app/>

Results-driven Front-End Engineer with experience in Vue.js, React, and TypeScript. Skilled in collaborating with cross-functional teams to build responsive, scalable, and high-performing applications. Passionate about data-driven and test-driven development


SKILLS


Cross-functional Collaboration, Communication, Problem-Solving, Critical Reasoning, Cultural Awareness & Sensitivity, Global Mindset, Stress Management, Cultural Intelligence, Leadership, Front-End Development, Quality Assurance, Multi-tasking

 **Frontend Development** → Vue.js (Nuxt 3), React.js (Next.js), Micro Frontends, TypeScript, TailwindCSS, SCSS, Bootstrap, GraphQL (Apollo), RESTful APIs.

 **Data Structures & Algorithms (DSA):** Sorting, Searching, Graphs, Trees, Recursion, Dynamic Programming, Big O notation

 **Software Architecture** → MVC, Monorepos, Component-Based Design, Server-Side Rendering (SSR), Static Site Generation (SSG), WebSockets, Object-Oriented Programming (OOP), DTO Patterns.

 **Testing** → Cypress, Playwright, Jest, Mocha, Selenium, WebdriverIO, SpecFlow, JUnit, NUnit, Cucumber (BDD), Postman, Locust.io, Page Object Model (POM), Data-Driven Testing (Excel, API Mocks).

 **Build & DevOps** → Git, CI/CD (GitHub Actions, Azure DevOps), Docker, Kubernetes, Webpack, Vite, Babel, Yaml, Apache Maven, Github, GitLab

 **Data Analytics** → Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), Apache Airflow, AI/ML models.

 **Other Tools** → Jira, Trello, Browser DevTools, Clickup, D3.js, Chart.js, Highcharts.

PROFESSIONAL EXPERIENCE

York St John University, United Kingdom — Student (MSc Data Science)

Oct 2024 - (Expected September 2025)

- **Ongoing Research:** Counterfeit Drug Detection Using AI and Computer Vision
- Developing a machine learning model using deep learning (Convolutional Neural Networks- CNNs, transfer learning) to detect counterfeit drugs, utilising image recognition and pharmaceutical datasets to enhance drug authenticity verification and reduce counterfeit circulation by 20%

Jean Edwards Consulting, United Kingdom (Remote) — QA Engineer

March 2024 - Dec 2024

- Collaborated closely with developers, Business Analysts, and DevOps to integrate **test automation into CI/CD pipelines**, ensuring smooth deployments.
- Worked with the **QA team** to define BDD scenarios, aligning testing with business requirements.
- Verified **500+ policy mappings** using **SQL with 99.8% accuracy**, ensuring compliance in the insurance and reinsurance domain.
- Developed **100+ automated test scripts** in **C# (SpecFlow, Playwright)**, reducing testing time by **50%** and improving test coverage by **30%**.
- Implemented **POM and DTO patterns** to structure test automation efficiently, improving maintainability.

Ehealth4Everyone, Abuja — Frontend Engineer

Feb 2023 - April 2024

- Worked closely with Product Designers, DevOps, QA, and Data Scientists to develop a [healthcare platform \(tele-health\)](#) that improved patient-doctor interactions by **30%** using **Nuxt.js (Vue.js)** and **TypeScript**.
- Built **modular UI components in Vue.js (Nuxt 3)**, ensuring a **scalable and maintainable** front-end architecture.
- Collaborated with data scientists and engineers to integrate predictive AI models into a [health analytics dashboard](#) used by the Nigerian Ministry of Health and other public health professionals, helping forecast likely health outcomes. This reduced manual analysis time by **~40%** and improved decision-making speed and user satisfaction across **200+ users**.
- Collaborated with international teams from the USA, UK, and Kenya on a Bill & Melinda Gates Foundation-backed initiative (DACISSH Grant) to strengthen the Department of Health Planning, Research, and Statistics (DPRS) capacity for national health data coordination and consolidation.
- Improved app performance by reducing data load times by **~40%**, reworking how large datasets were processed and rendered.
- Set up unit tests (**Jest**) for data transformation functions and end-to-end tests (**Cypress**) to run automatically in the CI testing stage. This caught issues early in the pipeline, reduced data-related bugs reaching QA by **~60%**, and helped ensure accurate frontend visualisations with **Highcharts**.

idonatio, United Kingdom (Remote) — Frontend Engineer

Feb 2022 - Feb 2023

- **Engineered and integrated Stripe payment solutions** within the [iDonatio](#) platform, enabling secure, global cashless donations and contributing directly to the successful product launch to live audiences in 2023.
- **Built and automated E2E and API testing suites**, embedding them into the CI/CD pipeline to ensure platform stability, achieving a **30% reduction in post-deployment issues** and supporting seamless rollouts on GCP infrastructure.
- **Optimised frontend performance and UX** by implementing best practices in Next.js and Material UI, resulting in a **20% faster load time** and improved engagement metrics at launch.

Barian Systems Limited, Abuja — Frontend Engineer Intern

Sept 2021 - Jan 2022

- Developed **responsive UI components (Tailwindcss, Next.js)**, boosting user satisfaction by **40%**.
- Implemented **frontend automation testing** using **Selenium (Java), Apache Maven, and JUnit**.
- Designed **Micro Frontends architecture**, ensuring modular and scalable UI development.

EDUCATION

York St John University | United Kingdom

Master of Science (MSc) in Data Science (Expected September 2025)

Lancaster University | United Kingdom

Bachelor of Science (BSc) in Computer Science — 2:1 Honours (Oct 2017 – July 2021)

Nspire School of Education | Nigeria

Diploma in Software Engineering (Nov 2015 – June 2017)