Iris Ngabo, Software Developer

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PROFESSIONAL SUMMARY

Creative and detail-oriented Frontend Developer with 3+ years of experience building user-centered digital products for government and social impact initiatives. Skilled in translating complex workflows into responsive, accessible interfaces using React, Next.js, and Tailwind CSS. Strong background in UI/UX design, UAT testing, and cross-functional collaboration. Passionate about using design and code to improve access, transparency, and usability in public & private services.

Areas of Expertise

- Frontend Web Development (HTML, CSS, JavaScript, React.js, Tailwind CSS)
- Responsive UI Design (Mobile-First, Cross-Browser Compatibility)
- Modern JavaScript Frameworks (React, Next.js, Vue – if applicable)
- UI/UX Design & Prototyping (Figma, Adobe XD)
- Component-Based Architecture & State Management (Redux, Context API)

- RESTful API Integration & Frontend Security (JWT, CORS, HTTPS)
- Version Control & Collaboration (Git, GitHub & GitLab)
- User Acceptance Testing (UAT) & Bug Tracking (Postman, Chrome DevTools)
- Technical Documentation & Developer Handoff
- Project Leadership

PROFESSIONAL SKILLS DEMONSTRATED

Primature(Office of the Prime Minister)   **July 2024 – Oct 2024**

Front End Development Intern *(Onsite)*

- Collaborated in building a productivity-focused internal platform to track employee tasks, manage workflows, and monitor organizational efficiency.

- Developed a dashboard system for admins and users to oversee performance metrics, deadlines, and pending actions.

- Created UI components like task assignment cards, activity logs, and reminder systems using React and Tailwind CSS.

- Integrated real-time updates and notifications to ensure teams could monitor progress and receive alerts on pending tasks.

- Improved form usability for logging progress, reporting blockers, and submitting weekly updates.

- Ensured seamless integration with internal APIs for task data, progress tracking, and user roles.

- Conducted internal walkthroughs and design feedback sessions to enhance interface clarity and task visibility.

APEFE   **Nov 2024 – Dec 2024**

Front End Development *(Contract)*

- Engineered a responsive web platform that bridges graduates, students, companies, and training institutions, streamlining access to job and internship opportunities in the TVET ecosystem.

- Developed interactive onboarding workflows and account creation forms for diverse users (companies, graduates, schools), improving profile completeness and platform engagement.

- Designed and implemented a dynamic survey module allowing graduates and students to share post-training experiences, enabling institutions to track employability and improve training outcomes.

- Integrated secure, scalable APIs to ensure real-time data synchronization across users and institutions, enabling up-to-date access to job offers, candidate profiles, and feedback results.

- Applied mobile-first design principles with Tailwind CSS and responsive layout techniques to ensure consistent performance across smartphones, tablets, and desktops.

- Collaborated with backend developers to define API data structures and flows, leveraging TypeScript for type safety and robust frontend logic.

- Conducted frontend performance audits and usability testing, resolving UI bottlenecks and reducing page load times, resulting in a smoother and faster user experience.

- Contributed to aligning the technical design with APEFE's mission of improving the perception of vocational training by enhancing usability and regional outreach across Rwanda.

Ministry of Education (MINEDUC)   **Jan 2025 – Apr 2025**

Frontend Developer & UAT Testing Intern *(Hybrid)*

- Helped digitize member registration and savings processes for a government-backed financial program targeting educators and staff.

- Built multi-step forms and ID validation flows for onboarding new members and connecting them to pre-configured financial products.

- Designed modules for submitting loan requests, tracking approval stages, and generating downloadable reports.

- Worked closely with accountants and ministry staff to co-develop dashboards for monitoring active members, pending loans, and balance sheets.

- Led UAT efforts to identify errors in workflows like vehicle ticketing, calendar-based loan processing, and transaction disputes.

- Documented test cases and worked with developers to debug issues affecting user flow and data accuracy.

- Suggested UX improvements after testing sessions, which improved navigation and minimized form abandonment.

- Used Next.js and Tailwind CSS to maintain UI consistency across desktop and mobile screens.

[Rwanda Tvet Board](#)   Jan 2025 – Sep 2025

Team Lead – Frontend Developer & UI/UX Designer *(Onsite)*
- Led a cross-functional frontend team in designing, building, and maintaining multiple high-impact digital platforms supporting national technical and vocational education (TVET) across Rwanda.

- Designed intuitive, responsive, and visually compelling UIs using Figma and Tailwind CSS, enhancing accessibility and usability for educators, students, and institutional partners.

- Spearheaded the development of a centralized **TVET Management System**, integrating teacher evaluations, curriculum validation, and eLearning modules into a seamless ecosystem.

- Built an intelligent **AI Assistant** that onboarded new users, answered platform-related queries, and improved user self-service capabilities across RTB platforms.

- Developed and deployed a **Pedagogy Learning Platform**, enabling teachers and in-company instructors (ICIs) to undergo professional development, complete assessments, and receive automated certifications.

- Conducted nationwide training sessions for educators and ICIs, equipping them with the skills to navigate RTB platforms for assessments, digital learning, and results tracking.

- Delivered a **real-time progress tracking system**, providing users with insights into training completion rates, evaluation statuses, and course outcomes.

- Engineered a **multi-event registration system** for the **TVET Expo**, **Global Skills Connect**, and **Inter-Ministerial Summit**, driving collaboration between government, private sector, and educational institutions.

- Designed and launched an **Accreditation Platform** allowing institutions to request course approvals, ensuring alignment with national educational standards.

- Built a **Certification Module** within the TVET portal to issue verifiable certificates for short courses, increasing transparency and credibility in vocational training outcomes.

- Created a **Platform Integration Dashboard**, offering a unified interface to monitor RTB's activities, ongoing projects, and performance indicators in one centralized view.

- Developed a **Survey Tool** for large-scale data collection and analysis from schools, supporting evidence-based policymaking and resource planning.

- Collaborated with backend teams to implement secure authentication, API integrations, and role-based access control, ensuring system scalability, compliance, and security.

Leadership and Involvement

WithinTech Rwanda   **July 2023 - Present**

- **Role**: Co-Founder & Mentor
  - Co-organized a two-week summer camp for 50 students (grades 7–9), teaching computer basics, HTML, and CSS, and awarding certificates.
  - Created a hands-on curriculum that guided students to build simple websites by the end of the program.
  - Provided leadership and mentorship, helping students understand technology concepts better.
  - Encouraged collaboration and innovation to inspire future tech leaders.
  - Focused on bridging the digital literacy gap with practical skills and real-world applications.
  - Helped students gain confidence in technology, preparing them for future opportunities.

Spring initiative   **Aug 2023 - Present**

- **Role**: Co-Founder & Director of Mentorship and Activities
  - Launched a community-driven program to enhance **digital literacy**, **English proficiency**, and **technological confidence** among rural students in Rwanda.
  - Designed and led **mentorship programs** and **hands-on learning activities** tailored to primary students (grades 4–6), focusing on computer basics, Scratch programming, and English communication.
  - Developed a holistic **curriculum** blending digital skills, problem-solving, and foundational literacy to ensure well-rounded learning outcomes.
  - Managed **mentor recruitment, training, and supervision**, ensuring mentors were well-prepared to support students' academic and personal development.
  - Coordinated engaging activities that aligned with program goals and encouraged **critical thinking**, **innovation**, and **peer collaboration**.
  - Collaborated with local educators, parents, and leaders to ensure the program was **culturally relevant**, **sustainable**, and embedded in the community.
  - Mentored students to build self-confidence, digital fluency, and a proactive attitude toward education and technology
  - Organized an annual community celebration to recognize student achievements, engage families, and promote continued support for youth empowerment.
  - Used adaptive teaching strategies to meet students' varying learning paces, ensuring **inclusivity** and **equitable access** to knowledge.

Courses and Certifications

Responsive Web Design from **freecodecamp**
Frontend Development Libraries from **freecodecamp**
JavaScript Algorithms And Data Structures from **freecodecamp**
React + Redux from **SoloLearn**
Javascript from **SoloLearn**

Skills

Frontend & UI Development: React.js, Next.js, TypeScript, JavaScript, Tailwind CSS, Figma, Redux, Shadcn, Material UI
Rendering & Logic:CSR, SSR, SSG, Zustand, Context API, Form Validation
Mobile Development:: React Native, Expo
Testing & Optimization: Jest, Cypress, React Testing Library, Chrome DevTools
API & Security: REST, JWT, OAuth, WebSockets, CORS, HTTPS
Backend Fundamentals: Node.js, Express.js, NestJS

Databases & ORMs: Prisma, MongoDB, PostgreSQL, Mongoose, Sequelize
Tools & Collaboration: Git, GitHub, GitLab, Vercel, Netlify, Slack, GitHub Actions
Soft Skills : Communication, Collaboration, Time Management,Problem-Solving,Documentation
Other: Responsive Design, Accessibility (WCAG), Semantic HTML

Education

Maranyundo Girls School - **Ordinary Level**
Rwanda Coding Academy **- Software Engineering and Embedded Systems**

Projects (some of my projects out of confidential work projects)

Redire Org -**https://redire.org.rw/**
Scripty Labs- **https://scriptylabs.com/**
WithinTech Rwanda **- https://www.withintech.org/**
RwandAir Catering **- https://rwandaircatering.rw/en**
Forum **- https://rwandafutureskillsforum.rtb.gov.rw/landing**
Platforms Intergration **- https://tvetdigitalization.rtb.gov.rw/**
Portifolio **- https://asher-portifolio.vercel.app/**
Great Winners Foundation **- https://www.greatwinnersfoundation.org/**
Wedding website **- https://gajuoctavewedding.vercel.app/**
School Website - **https://bright-kids-school-flame.vercel.app/**

Languages

Kinyarwanda (native), English (fluent), French (intermediate)

Hobbies & Interests

Faith, Balance, Travel, Swimming, Community Outreach, Mentorship, Exploring Cultures

References

Available upon request.