

# TAIWO AJAYI

## Senior Frontend Engineer | Full-stack Developer

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Lagos, Nigeria.

### Skills, Stacks and Technologies

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#### Frontend Development:

React, Next, Vue, Javascript, Typescript, Redux, jQuery, Ajax, Axios, React Query, Chakra UI, Ant Design, Material UI, Jest, Cypress, Npm, Yarn, Babel, Webpack, HTML5, CSS3, Tailwind, Bootstrap, SCSS, Figma.

#### Backend Development:

Node, Express, PHP, Javascript, Typescript, MySQL, MongoDB, Postgres, RESTful Apis, GraphQL.

#### Soft Skills and Other skills:

Self-Starter, Good communication skills, Jira, Slack, GitHub, Blender, Docker.

### Education

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B.Eng. Electrical,Electronic Engineering   University of Benin   Edo State, Nigeria.	2014 – 2019
S.S.C.E   Eccowas College, Ogun State, Nigeria.	2008 – 2011

### Work Experience

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PROCYS B.V, Front End Engineer (Contract) Netherlands (Remote)	August 2024 – December 2024
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#### Frontend Development Responsibilities:

- Develop user-facing features using modern front-end technologies.
- Ensure the technical feasibility of UI/UX designs.
- Collaborate with designers to translate visual designs into functional interfaces.
- Ensure cross-browser compatibility and responsiveness of applications.

Sight-Innovation LLC, Full Stack Engineer Benin City, Nigeria	January 2019 – July 2024
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#### Frontend Development Responsibilities:

- Develop, test, and deploy user-facing features using modern front-end technologies.
- Ensure the technical feasibility of UI/UX designs.
- Optimize applications for maximum speed and scalability.
- Collaborate with designers to translate visual designs into functional interfaces.
- Ensure cross-browser compatibility and responsiveness of applications.

### Backend Development Responsibilities:

- Design, implement, and maintain server-side logic.
- Develop and manage databases, ensuring data consistency and security.
- Write clean, scalable, and maintainable code.
- Integrate front-end elements with server-side logic.
- Implement security and data protection measures.
- Develop APIs and ensure their seamless integration with front-end components.

### General Responsibilities

- Participate in the full software development lifecycle, including planning, development, testing, deployment, and maintenance.
- Troubleshoot, debug, and upgrade existing software.
- Collaborate with cross-functional teams to define, design, and ship new features.
- Stay up-to-date with emerging technologies and industry trends.
- Conduct code reviews and provide constructive feedback to team members.
- Document development processes, architecture, and technical details.

**Increased project completion rate and reduced delivery time by 20% with improved productivity.**

**Maple grove Entertainment, Freelance Developer  
Lagos, Nigeria**

**April 2021 – July 2021**

- Develop, test, and deploy user-facing features using modern front-end technologies.
- Ensure the technical feasibility of UI/UX designs.
- Ensure cross-browser compatibility and responsiveness of applications.
- Design, implement, and maintain server-side logic.
- Develop and manage databases, ensuring data consistency and security.
- Write clean, scalable, and maintainable code.
- Integrate front-end elements with server-side logic.
- Troubleshoot, debug, and upgrade existing software.
- Implement security and data protection measures.
- Develop APIs and ensure their seamless integration with front-end components.
- Conduct code reviews and provide constructive feedback to team members.
- Document development processes, architecture, and technical details.

**Improved talent and project visibility to the public.**

**Sight-Innovation LLC, Intern Engineer  
Benin City, Nigeria**

**June 2018 – Dec 2018**

- Designed and created images, and interface for the company's website
- Designed and developed the front-end application of the company's website using HTML, CSS, and JavaScript.
- Designed, constructed, and built a charge controller and pure sine-wave hybrid inverter.
- Designed, constructed, and built a smart traffic-controlling system prototype.

- Designed, constructed, and built a public address system prototype.
- Tested and contributed to PCB fabrication in the company.
- Contributed majorly to the design and construction of a smart rice cooker.
- Trained other interns.
- Designed and constructed various efficient power supplies including linear and SMPS power supply.

**Help train other interns and completed in-house projects.**

## **Projects**

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### **C-manager | React, Typescript, Tailwind, Redux, React-Query, Next, Express, Node, MySQL, Git, Jest**

- C-manager is a business management platform for small and medium-scale businesses.
- Designed, developed, and built a 3-layer architecture for the server application for scalability, efficiency, and modularization using Node, Express.
- Created, initialized, and developed routes, controllers, and services for application business logic.
- Designed the authentication, authorization, permission, logger, and application monitoring mechanism using JWT tokenization and middleware.
- Using requirement collection, analysis, and functional requirements of the application user to design and develop database schema and structure for the application on MySQL data storage.
- Worked with the UI/UX designer to create an easy-to-use and understandable user interface and user experience design on Figma.
- Created, initialized, developed, and maintained the frontend application structure, created utility functions, and reusable components, and designed templates for the application using Next, React, react-query, Formkit, Axios, Redux, Chakra-UI, and Typescript.
- Utilized Sass, styled-components, and tailwind CSS for styling components
- Designed and developed the unit testing, End-to-End testing, and integrated testing mechanism for the application using Jest.
- Deployed the application repository on GitHub and used Git for version control maintaining project repositories, branches, commits, etc, for the frontend and backend applications.
- Deployed applications to production using cPanel shared web hosting.

### **Sight-eduplus | React, Typescript, Tailwind, Chakra-UI, Express, Node, MySQL, Git, Jest...**

- Sight-eduplus is an EdTech platform for schools, tutorial centers, and individuals in the education space.
- Designed and developed some business logic for backend controllers and services using Node and Express.
- Worked with the UI/UX designer to create an easy-to-use and understand user interface design and user experience using Figma.
- Created, initialized, developed, and maintained the frontend application structure, created utility functions, and reusable components, and designed templates for the application using Next, React, react-query, Axios, Ajax, Redux, Chakra-UI, and Typescript.
- Utilized Sass, styled-components, and tailwind CSS for styling components
- Designed and developed the unit testing, End-to-End testing, and integrated testing mechanism for the application using Jest.

- Deployed the application repository on GitHub and used Git for version control, maintaining project repository, branches, commits, etc, for the frontend application.
- Deployed application to production using cPanel shared web hosting.

#### **Sight-innovation | React, Typescript, Tailwind, Redux, Express, Node, Axios, MongoDB, Git, Jest...**

- Sight-innovation official website.
- Developed business logic for backend controllers and services using Node and Express.
- Worked with the UI/UX designer to create an easy-to-use user interface design and user experience using Figma.
- Created, Initialized, developed, and maintained frontend application structure, created utility functions, and reusable components, and designed templates for the application using Next, react-query, Axios, Redux, and Material-UI.
- Utilized Sass, styled-components, and tailwind CSS for styling components.
- Designed and developed the unit testing, End-to-End testing, and integrated testing mechanism for the application using Jest.
- Deployed the application repository on GitHub and used Git for version control, maintaining project repository, branches, commits, etc, for the frontend application.
- Deployed application to production using cPanel shared web hosting.

#### **Ltechng | React, Typescript, Tailwind, Redux, Express, Node, MySQL, Git, Axios, Jest...**

- The Ltechng platform sells and buys Gift cards, pays utility bills, and converts airtime and data to cash.
- Designed and created the UI/UX design to be an easy-to-use user interface and experience using Figma.
- Created, initialized, developed, and maintained the frontend application structure, created utility functions, and reusable components, and designed templates for the application using Next, React, react-query, Axios, Redux, and Material-UI.
- Utilized Sass, styled-components, and tailwind CSS for styling components.
- Designed and developed the unit testing, End-to-End testing, and integrated testing mechanism for the application using Jest.
- Deployed the application repository on GitHub and used Git for version control, maintaining project repository, branches, commits, etc, for the frontend application.

#### **Rccgedoprovince2 | React, Typescript, Tailwind, Redux, Axios, Jest...**

- The official website for RCCG Edo Province
- Created the UI/UX design to be an easy-to-use interface.
- Created, initialized developed, and maintained frontend application structure, created utility functions, and reusable components, and designed templates for the application using React, Typescript, Redux, and Axios.
- Utilized Sass and tailwind CSS for styling components.
- Designed and developed the unit testing, End-to-End testing, and integrated testing mechanism for the application using Jest.

- Deployed the application repository on GitHub and used Git for version control, maintaining project repository, branches, commits, etc, for the frontend application.

### **IOT-Based Attendance Management System**

- Designed the embedded system using electronic designed principles in Proteus.
- Designed and developed the web frontend application using React, Redex, and Chakra-UI.
- Utilized Sass, styled-components, and tailwind CSS for styling components.
- Designed and developed the server application using Node, Express, and MongoDB as data storage.
- Developed and built the embedded system using a PIC microcontroller
- Tested the IoT communication using Arduino IDE and development kit.
- Designed and developed the unit testing, End-to-End testing, and integrated testing mechanism for the web application using Jest.
- Deployed the application repository on GitHub and used Git for version control, maintaining project repository, branches, commits, etc, for the front-end and the embedded applications.

### **Solar power bank with wireless charging**

- Designed the embedded system using electronic designed principles in Proteus CAD.
- Developed and built the embedded system using the PIC microcontroller.
- Tested the design using Arduino IDE and development kit.
- Deployed the application repository on GitHub and using Git for version control, maintaining project repository, branches, commits etc, for the embedded application.

### **Automated lighting, watering and feeding system for poultry**

- Designed the embedded system using electronic designed principles in Proteus CAD.
- Developed and built the embedded system using the PIC microcontroller.
- Tested the design using Arduino IDE and development kit.
- Deployed the application repository on GitHub and using Git for version control, maintaining project repository, branches, commits etc, for the embedded application.

### **IoT-based Security Lighting and Alarm system**

- Designed the embedded system using electronic designed principles in Proteus.
- Designed and developed the web frontend application using React, Redex, and Chakra-UI.
- Utilized Sass, styled-components, and tailwind CSS for styling components.
- Designed and developed the server application using Node, Express, and MongoDB as data storage.
- Developed and built the embedded system using a PIC microcontroller
- Tested the IoT communication using Arduino IDE and development kit.
- Designed and developed the unit testing, End-to-End testing, and integrated testing mechanism for the web application using Jest.
- Deployed the application repository on GitHub and used Git for version control, maintaining project repository, branches, commits, etc, for the front-end and the embedded applications.

## Automated Touchless water dispenser

- Designed the embedded system using electronic designed principles in Proteus.
- Developed and built the embedded system using PIC microcontroller
- Tested the designed using Arduino IDE and development kit.
- Deployed the application repository on GitHub and using Git for version control, maintaining project repository, branches, commits etc, for the embedded application.

## IoT-based Home Automation

- Designed the embedded system using electronic designed principles in Proteus.
- Designed and developed the web frontend application using React, Redex, and Chakra-UI.
- Utilized Sass, styled-components, and tailwind CSS for styling components.
- Designed and developed the server application using Node, Express, and MongoDB as data storage.
- Developed and built the embedded system using a PIC microcontroller
- Tested the IoT communication using Arduino IDE and development kit.
- Designed and developed the unit testing, End-to-End testing, and integrated testing mechanism for the web application using Jest.
- Deployed the application repository on GitHub and used Git for version control, maintaining project repository, branches, commits, etc, for the front-end and the embedded applications.

## Maplegroveentertainment | HTML, CSS, Javascript PHP, MySQL, Git

- The Official website for Maple Grove Entertainment
- Designed a website for the company using Figma.
- Created, initialized, and developed the frontend application using Html, CSS, bootstrap, Javascript, PHP, and MySQL.
- Maintained and managed the company's official website.

## Certifications

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FreeCodeCamp: Javascript Algorithms and Data Structures

[https://freecodecamp.org/certification/ajayi\\_oyetomi/javascript-algorithms-and-data-structures](https://freecodecamp.org/certification/ajayi_oyetomi/javascript-algorithms-and-data-structures)

HackerRank: Javascript (Intermediate)

<https://hackerrank.com/certificates/fa0fa0be768c>

HackerRank: Javascript (Basic)

Link: <https://www.hackerrank.com/certificates/c84de3fb2f3d>

## Repository and Links

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GitHub: <https://github.com/ajayioyotomi>

Tech time landing page: <https://tech-time-landing-page.vercel.app/>

Frontend Test page: <https://front-end-tech-test-one.vercel.app/>