

PRATT OLANREWAJU QUAYOOM

Full-Stack Developer | Civil & Environmental Engineer

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Professional Summary

Proficient **Full-Stack Developer** with **2+ years of experience** designing, developing, and deploying **high-performance web applications**, with core focus in **Front End development** and good knowledge of **Backend development, API development, database architecture, and cloud deployment**. Well-versed in **frontend technologies like JavaScript, Typescript, Tailwind React.js, and Next.js** while also specializing in **backend technologies such as Node.js (Express.js), PostgreSQL, and MongoDB**.

A problem-solver with a strong understanding of **data structures, algorithms, and scalable system design**. Passionate about **building efficient and secure applications** while following **industry best practices, test-driven development (TDD), and DevOps methodologies**.

Key Areas of Expertise:

- **Frontend Development:** React.js, Next.js, Tailwind CSS, Redux
 - **Backend Development:** Node.js (Express.js, Nest.js), RESTful APIs, GraphQL
 - **Database Management:** PostgreSQL, MongoDB, MySQL, Redis
 - **Authentication & Security:** JWT, OAuth2, Firebase Authentication, Bcrypt, Two-Factor Authentication
 - **Cloud & DevOps:** AWS, Render, Vercel, CI/CD Pipelines, Docker, GitHub Actions
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Technical Skills

1. Frontend Development

- **Next.js & React.js** – Server-side rendering (SSR) and static site generation (SSG).
- **Tailwind CSS** – Efficient, utility-first CSS framework.
- **State Management** – Redux for scalable state handling.

2. Programming Languages

- **JavaScript (ES6+), TypeScript** – Primary languages for backend and frontend development.
- **SQL & NoSQL** – Strong experience working with relational and document-based databases.
- **Python (Basic Proficiency)** – Used for scripting and automation tasks.

3. Backend Development

- **Node.js & Express.js** – Core backend framework used for building RESTful APIs.
- **Nest.js (TypeScript)** – Experience structuring enterprise-grade applications.
- **GraphQL** – API development with Apollo Server for efficient data fetching.
- **WebSockets & Real-Time Data** – Implementation of live features using Socket.IO.
- **Caching & Performance Optimization** – Redis, query optimization, and database indexing.
- **Authentication & Authorization** – Secure login systems using JWT, OAuth, and Firebase.

4. Database Management

- **PostgreSQL & MySQL** – Experience designing relational databases.
- **MongoDB (NoSQL)** – Schema design with Mongoose ODM.
- **Redis** – Caching for performance enhancement.

5. Cloud Technologies

- **Deployment & Hosting** – AWS (EC2, S3, CloudFront), Render, Vercel.
- **CI/CD Pipelines** – GitHub Actions for automated deployment.

Professional Experience

Frontend Developer | Internship | Freelance | Contract Roles (2023 - 2025)

HERising Foundation | Frontend Developer |

Empowering Women in Tech

At HERising Foundation, I contributed to the organization's mission of empowering young ladies and women in tech through innovative solutions. Our goal was to create a platform that would inspire and support women in pursuing careers in technology.

Project Overview

I developed responsive and user-friendly interfaces using React and Next.js, driving a 25% increase in user engagement. This project not only showcased my technical skills but also demonstrated my ability to create solutions that positively impact users.

Key Responsibilities

- Designed and developed responsive web applications using React and Next.js, achieving a 95% page load speed to ensure seamless user experiences.
- Implemented reusable UI components, enhancing code maintainability and scalability by 30%, and reducing development time for future projects.
- Collaborated with cross-functional teams to design and deliver high-quality web applications that met the organization's goals and objectives.

Technical Skills

- Proficient in React, Next.js, JavaScript (ES6+), HTML5, and CSS3
- Good in Responsive Web Design and development
- Familiarity with CMS and Figma
- Introductory Knowledge in animation

Techillionaire Solutions | Frontend Developer |

As a front-end developer at Techillionaire Solutions, I had the opportunity to work with talented teams to design and deliver innovative solutions for diverse clients. Here are some projects that showcase my skills and experience:

Notable Projects

- **Ecommerce Platform Revolution:** I helped develop a responsive website, automation tools, and inventory management system for a leading ecommerce platform. By implementing features like product filtering, sorting, and search functionality, we achieved a 30% boost in sales!
- **Tech stack:** React, Next.js, JavaScript (ES6+), HTML5, CSS3
- **Estate Management Made Easy:** I created an intuitive interface for estate administrators and clients to manage properties, track payments, and access important documents. This user-friendly design led to a 25% increase in user engagement!
- **Tech stack:** React, Redux, Material-UI, JavaScript (ES6+)
- **Streamlining School Administration:** I designed and developed an automation system for a private school, reducing administrative tasks by 40% and improving communication between teachers, students, and parents.

Tech stack: React, Node.js, Express.js, MongoDB

My Role

- Collaborated with cross-functional teams to deliver high-quality solutions
- Crafted responsive and user-friendly interfaces using modern front-end technologies
- Participated in code reviews, ensuring adherence to coding standards and best practices
- Troubleshoot and resolved issues, enhancing application performance and user experience

My Toolbox

- Proficient in React, Next.js, JavaScript (ES6+), HTML5, CSS3
- Experienced with state management libraries like Redux
- Familiar with UI libraries like Material-UI
- Knowledgeable about backend technologies like Node.js and Express.js

Xperience Solutions | Frontend Developer |

Revolutionizing Event Management

I played a role in designing and developing a groundbreaking Event Management System. This system showcased exceptional capabilities, including live video feed integration, real-time updates, and multi-event support, thereby providing users with immersive experiences from diverse regions and events.

Key Features and Accomplishments

- **Live Video Integration:** Spearheaded the integration of live video feeds, enabling users to witness events in real-time from various locations. This feature significantly enhanced user engagement by 30% and experience.
- **Real-time Updates:** Successfully implemented real-time updates using WebSockets, ensuring users received timely information about ongoing events. This capability fostered a dynamic and interactive environment, increasing user participation by 25%.
- **Multi-Event Support:** Designed and developed the system to seamlessly handle multiple events simultaneously. This feature allowed users to navigate effortlessly across different events, exploring various experiences without interruption.

Technical Expertise

- **Front-end Development:** Proficient in React, Next.js, TypeScript, JavaScript (ES6+), HTML5, and CSS3, with a strong focus on creating responsive, user-friendly interfaces.

- **Real-time Technologies:** Experienced in utilizing WebSockets for real-time updates, ensuring instantaneous communication and data exchange.
- **Video Streaming:** Familiarity with video streaming technologies and APIs, enabling efficient integration of live video feeds into the system.

Project Achievements

- **Successful Delivery:** Delivered the Event Management System within the stipulated timeframe, exceeding client expectations and enhancing user engagement by 40%.
- **Scalability and Efficiency:** Designed and implemented a scalable and efficient system capable of handling high traffic and multiple events simultaneously, ensuring optimal performance and reducing latency by 20%.
- **Cutting-Edge Solution:** Contributed to the development of a pioneering solution that provided users with a unique and immersive experience, setting a new standard for event management system

Backend Developer | Freelance / Contract Roles (Jan 2024 - Present)

- **Developed scalable RESTful APIs** for multiple clients in the **e-commerce, healthcare, and real estate industries.**
- **Implemented authentication & authorization** systems with **JWT, OAuth, and Firebase Auth.**
- **Worked on an e-commerce server**, optimizing API performance and database queries. Integrated secure payment gateways and implemented authentication for user transactions.
- **Deployed high-performance applications** using **Dockerized environments on AWS, Render, and Vercel.**
- **Integrated payment systems** like **Stripe and PayPal** into web applications.
- **Optimized database queries and caching** to improve API response times by **40%.**

Full-Stack Developer Intern | Code Bank Startup (Sept 2020 - Dec 2021)

- Developed a **React + Next.js** web app for an online learning platform.
 - Designed **GraphQL APIs** for fetching and managing data efficiently.
 - Implemented **Firebase Authentication** for user registration and secure login.
 - Used **MongoDB and PostgreSQL** to manage application data.
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Practice Projects

Airbnb Clone – Full-Stack Booking System

Technologies: Node.js, Express.js, PostgreSQL, Redis, Socket.IO, Stripe

- Built a scalable RESTful API supporting listing, booking, and messaging functionalities.
 - Integrated **Stripe** for secure transactions and payment tracking.
 - Enabled **real-time communication** via **Socket.IO** for hosts and guests.
 - Applied **Redis caching** and optimized PostgreSQL queries for improved performance.
 - Followed MVC architecture and implemented middleware for validation and error handling.
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E-Commerce API – Secure Online Store Backend

Technologies: Node.js, Express.js, MongoDB, Redis, Stripe, JWT

- Developed complete e-commerce backend with user roles, carts, and order management.
 - Implemented **JWT authentication** and role-based access control (RBAC).
 - Integrated **Stripe** with web hook support for automated order fulfillment.
 - Improved response time by 30% using **Redis** and **compound indexing** in MongoDB.
 - Deployed with robust error handling, logging, and unit testing.
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Fitness Tracking API – Workout Planner and Progress Tracker

Technologies: Node.js, Express.js, MongoDB, OAuth, Socket.IO

- Developed REST API for managing user workouts, goals, and progress visualization.
 - Integrated **OAuth (Google, GitHub)** for secure login.
 - Implemented real-time features using **WebSockets** for live sessions and trainer feedback.
 - Designed flexible data models for various workout types and milestones.
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Event Management System – Live Shows, Concerts, and Weddings

Company: Startup Event Logistics Company

Technologies: Node.js, Express.js, PostgreSQL, React, Stripe

- Developed an event management platform with dashboards for planners, vendors, and clients.
 - Integrated **Twilio SMS API** for real-time event updates and reminders.
 - Enabled **calendar sync** and smart scheduling to avoid double-bookings.
 - Added **Stripe-powered milestone payments** with automated invoicing and email receipts.
 - Streamlined logistics and boosted customer satisfaction through automation and tracking.
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Freelance Dashboard System – Remote Client

Technologies: React, Node.js, MongoDB, JWT, Cloudinary

- Built a client dashboard system with file upload, account tracking, and analytics visualization.
- Used **Cloudinary** for optimized image uploads and management.
- Integrated user authentication and role-based access controls.
- Ensured responsiveness and accessibility for cross-device compatibility.

Clone App	Description
Netflix Clone	Recreated Netflix UI with user auth, video categories, trailers, and responsive layout. Implemented streaming interface with simulated media data.
Spotify Clone	Built a music streaming interface with playlists, audio playback controls, and album browsing. Integrated media player using HTML5 audio API.
Hotel Management System Clone	Developed hotel booking admin system with room inventory, customer check-in/out, invoicing, and role-based access (admin, receptionist, and guest).
School Management System Clone	Built a system for managing student records, results, attendance, teacher assignments, and class schedules. Included secure login for students and staff.
Lemonade Clone	Recreated quote generation flow with responsive UI and simulated user verification process.
Cameo Clone	Built a custom request system for video shout-outs with creator profile pages and status updates.
Calendly Clone	Created scheduling app with availability setting, booking links, and meeting notifications.
Notion-style Notes App	Implemented rich text editing, collaborative note syncing with WebSockets, and autosave logic.
Trello Clone	Built a drag-and-drop Kanban board for project/task management with persistent MongoDB storage.

Clone App	Description
SaaS Admin Template	Created customizable admin interface with dark mode, analytics widgets, and CRUD management.

Soft Skills

- **Problem-solving & Critical Thinking** – Experience in breaking down complex problems into manageable solutions.
 - **Project Management** – Organizing tasks and team collaboration in **Agile (Scrum/Kanban) environments**.
 - **Communication & Collaboration** – Writing clear technical documentation, API documentation, and guiding junior developers.
 - **Adaptability & Continuous Learning** – Staying updated with new technologies and best practices.
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Civil & Environmental Engineering Skills & Projects

Core Skills:

- **Structural Analysis & Design** – Applied fundamentals of statics and structural systems in design simulations.
 - **Water & Wastewater Engineering** – Familiarity with treatment process design, storm-water management, and environmental impact studies.
 - **Geotechnical & Foundation Engineering** – Soil profiling, bearing capacity estimation, and shallow foundation design.
 - **Engineering Software** – Proficient with **AutoCAD** for technical drawings and basic use of **SAP2000** and **Civil 3D** for structural modeling.
 - **Construction Supervision** – Monitored material usage, quality control, and site safety standards during civil works.
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Notable Projects:

- **Lagos HOMS Project – Iponri & Ikorodu Sites (2020)**

Site Engineer – Oversaw civil works for housing development schemes at two locations.

- Supervised excavation, concrete casting, and structural member installation.
- Coordinated subcontractors and tradesmen, ensuring timeline and quality adherence.
- Ensured site safety and material optimization in compliance with project specifications.

- **Lateef Adegboyega Street, Okota – 3-Storey Residential Flats (2020)**

Second Site Supervisor & Civil Engineer – Contributed to the complete construction of a 9-unit apartment block (3-bedroom flats).

- Managed blockwork, slab casting, roofing, and finishes, under lead engineer's direction.
- Reviewed daily site reports, monitored labor efficiency, and resolved structural adjustments on site.

- **Renovation & Underpinning of Sinking Storey Building – Abule Ado (2020)**

Site Engineer – Directed the structural rehabilitation of a subsiding one-storey residential building.

- Executed underpinning procedures to stabilize compromised foundations.
- Liaised with geotechnical consultants and ensured structural integrity post-renovation.

- **Renovation of 2-Storey Residential Building – Bamgbopa Street, Abule Ijesha (2020)**

Site Engineer – Managed renovation works including roof replacement, concrete repair, and interior finishing.

- Conducted structural inspections and supervised masonry and reinforcement works.

- **Urban Drainage Assessment for Lagos Suburb (2020)**

Team Lead – Led environmental impact assessment and optimized flood channel routing.

- Designed schematic layouts in AutoCAD and worked with a local firm for validation.
- Achieved 30% reduction in annual surface runoff flood cases.

- **Foundation Design for Mid-Rise Commercial Building (2019)**

Project Contributor – Conducted soil tests and recommended a safe shallow foundation

design.

– Coordinated structural submissions for local council approval.

- **Sustainable Rainwater Harvesting System** (*University Capstone Project*)

– Designed rooftop rainwater collection with filtration, aimed at reducing utility costs by 25%.

– Evaluated material cost and return on investment for implementation at student dormitories.

- **Road Survey & Grading – Magodo Brooks Estate** (*2019*)

Field Assistant – Horbs Construction and Ventures

– Assisted in layout survey, elevation marking, and grading for estate access roads.

– Ensured detailed soil test were done to standard and took records.

– Supervised the land excavation team and sand filling for desired road level requirements.

– Supported installation of side drains and inspection chambers and channel construction

- **Lighting Design Compliance – Light Up Lagos Project** (*2018*)

Site Inspector – Laralek Engineering

– Verified technical standards for solar-powered street lights and pole foundations.

– Delivered installation checklists and ensured 100% compliance with Lagos State specifications.

Certifications

- **Responsive Web Design Certification** – freeCodeCamp
- **JavaScript Algorithms & Data Structures** – freeCodeCamp
- **Software Development Boot camp** – GoMyCode

Education

Bachelor of Science (B.Sc.) in Civil & Environmental Engineering

University of Lagos, Nigeria | **Graduated: 2015**

Additional Skills

1. Documentation & Reporting

- **Technical Writing** – Clear and concise documentation of software systems.
- **API Documentation** – Writing OpenAPI/Swagger documentation for RESTful APIs.
- **Proficiency in Microsoft Office** – Word, PowerPoint, and Excel for technical documentation.

2. Engineering & Structural Design

- **AutoCAD & 3D Modeling** – Basic proficiency in civil and structural engineering software.
 - **Construction Project Management** – Understanding of resource allocation and project timelines.
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