

Emmanuel Seun SHITTU

Full Stack Developer



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Profile

Versatile and results-driven **Full Stack Developer** with proven experience in building secure, scalable, and high-performance web applications using **JavaScript, TypeScript, Node.js, Express.js, NestJS, ReactJS, and Next.js**. Skilled in developing and integrating **RESTful APIs**, designing responsive **frontend interfaces**, and managing databases such as **MongoDB, MySQL, PostgreSQL**, and **Firebase** for efficient data processing and storage.

Experienced in delivering end-to-end solutions, including **eCommerce platforms, donation systems, food delivery and fitness tracking apps**, and innovative projects such as a **QR Movie Code Generator API** and **Job API integration**. Adept in **authentication and authorization (JWT, OAuth)**, **API documentation (Swagger)**, and **unit/integration testing (Jest, Mocha)** to ensure system reliability and maintainability.

Passionate about **clean architecture, modular development, and modern UI/UX practices**, I focus on building robust, user-centric applications that combine functionality, performance, and scalability to deliver impactful digital experiences.

Professional Experience

Backend Developer, Divnerix Innovations ✕

01/2025 – present
Lagos, Nigeria

• **Roles:**

Designed and implemented backend infrastructures for **nonprofit, fintech, and healthcare platforms**.

Collaborated with frontend engineers, product managers, and stakeholders to deliver scalable solutions.

Ensured **security, scalability, and performance optimization** of backend services.

Deployed backend systems using **Docker containers, AWS, and Heroku**.

• **Achievements:**

Women of Power Platform: (womenpoweredbygod.com ✕).

Built and maintained backend infrastructure for a **global Christian women's platform**.

Developed **RESTful APIs** for events, blogs, donations, and contact forms.

Integrated secure user input handling, **MongoDB schemas**, and third-party payment gateways.

Optimized system performance and followed **MVC architecture** for maintainability.

Donation Platform (Charitify-inspired)

Developed secure **RESTful APIs** for donations, user authentication, campaign management, and multi-payment integrations (**Paystack, PayPal, Crypto**).

Implemented **RBAC** and admin dashboards for campaign oversight.

Enhanced scalability with **Dockerized deployment** and optimized media management using **Cloudinary**.

Senior Care Platform

Designed APIs for **personalized care plans, reminders, and real-time notifications**.
Improved reliability and performance of sensitive healthcare data flows with optimized database schemas.
Enabled secure communication between patients and caregivers through robust backend systems.

Backend Developer, ScholarGuide (EdTech Startup) Volunteer Backend Developer 02/2025 – 09/2025
Remote, Nigeria

- Built a scalable backend with **role-based access** (Admin, Teacher, Student, Parent) and APIs for dashboards, study tracking, subscriptions, and certifications.
- Implemented **gamification** (points, badges, leaderboards) and **social learning** (posts, comments, likes).
- Enhanced **performance with caching** and enforced **security with rate limiting & encryption**.

Backend Developer (Volunteer), Ed3Hub – Web3-Enabled Learning Platform 12/2024 – 12/2025
Lagos, Nigeria

- Designed APIs for **NFT-backed certifications** and blockchain transactions.
- Used **Redis caching & Elasticsearch**, reducing query latency by **75%**.
- Developed gamification and leaderboard features, boosting engagement by **35%**.
- Built analytics APIs to track learner progress.

Full Stack Developer (Contract), Groovinx / SkyeStudio Project 10/2024 – 12/2024
Remote Lagos

Full Stack Developer – Social Media Analytics & Content Automation Platform

- **Contributed to developing** a scalable **social media analytics and content automation platform**, integrating **Facebook Analytics APIs**, **FabricJS**, and **FFMPEG** for dynamic media creation and performance insights.
- **Built and optimized backend services** using **Node.js** and **Express.js**, handling content scheduling, media rendering, and analytics data processing.
- **Developed responsive frontend interfaces** with **ReactJS**, enabling users to design, preview, and automate content efficiently.
- **Collaborated cross-functionally** with data engineers and designers to ensure smooth API integration, scalability, and consistent user experience.
- Strengthened technical expertise in **JavaScript**, **ReactJS**, **Node.js**, **Express.js**, and **third-party API integration**, applying full-stack best practices for performance and maintainability.

Achievements:

- **Optimized full-stack performance**, reducing API latency and improving frontend rendering speed by streamlining data flow between backend and UI.
- **Automated end-to-end media pipelines** using **FFMPEG**, enabling users to generate and publish media content seamlessly from the interface.
- **Enhanced analytics dashboards** with real-time data visualization powered by **Facebook Graph API**, increasing user engagement and insights accuracy.
- **Improved cross-platform stability** by implementing robust error handling and responsive frontend components integrated with secure backend APIs.

Full stack Developer(Intern), In-box Elite (Merchandising Company) 08/2023 – 12/2024
Benin, Nigeria

- Developed **end-to-end web applications** from frontend to backend, supporting merchandising and inventory management processes.
- Built **interactive user interfaces** with **React.js**, ensuring responsive design and smooth user experience across devices.
- Implemented **backend services and APIs** using **Node.js** and **Express**, handling CRUD operations for products, orders, and sales.

- Designed and maintained **MongoDB databases** to store and manage product catalogs, customer orders, and performance analytics.
- Integrated frontend and backend, ensuring seamless **data flow** and real-time updates.
- Collaborated with cross-functional teams to identify requirements, troubleshoot bugs, and optimize system performance.
- Used **Git/GitHub** for version control and project collaboration.

Achievements:

- Successfully delivered an **internal dashboard** that reduced manual tracking of stock and sales by 40%.
- Improved **application load times** and user navigation by optimizing React components and backend queries.
- Streamlined **order processing** by implementing an automated backend workflow, increasing team efficiency.

Tech Stack: React.js | Node.js | Express | MongoDB | Vite | JavaScript | HTML | CSS | Git/GitHub

Full Stack Developer (Bootcamp Trainee / Intern),

EdoJobs Tech Bootcamp – Full Stack Development Track

01/2023 – 12/2023

Benin, Nigeria

- Designed and built **responsive user interfaces** using React.js, HTML, and CSS.
- Implemented **backend functionality** using Node.js and Express, including **CRUD operations, routing, and simple database integration**.
- Integrated frontend with backend services and APIs for dynamic content rendering.
- Collaborated in a team to clone modern web interfaces (YouTube, e-commerce sites, dashboards).
- Translated Figma and UI mockups into pixel-perfect React components.
- Used **React Hooks, Context API, and state management** for interactive UIs.
- Integrated **third-party APIs** and handled asynchronous data fetching with `fetch()` and `axios`.
- Utilized Git and GitHub for version control and team collaboration.
- Deployed full-stack projects to **Netlify, Vercel, or local servers**.

Key Achievements:

- 🎯 Built **7+ fully functional full-stack projects**, showcasing end-to-end development skills.
- 🚀 Enhanced **component reusability** by developing custom React hooks and modular backend routes.
- 😊 Praised for attention to **responsive design, API integration, and maintainable code structure**.

Tech Stack: React.js | Node.js | Express | HTML5 | CSS3 | JavaScript (ES6+) | Axios | Git/GitHub | Netlify | Vercel

Backend Development Intern, CareerEx

06/2024 – 12/2024

Remote

- Developed **REST APIs** for fintech and e-commerce projects.
- Integrated **Paystack & PayPal** payment gateways with multi-currency support.
- Implemented **error handling and validation**, reducing bugs by **40%**.
- Worked in an Agile team, contributing to sprints, reviews, and deployments.

Frontend Developer (Contract), GlowUpBeauty – Cosmetics & Nail Care Brand

03/2023 – 07/2023

Ibadan, Oyo state

- Designed and developed **responsive web pages** for GlowUp Beauty's online cosmetics and nail care platform, highlighting beauty products and services.
- Built **elegant, mobile-friendly interfaces** using React.js, HTML5, and CSS3, ensuring a smooth and modern user experience.

- Collaborated with the marketing and design teams to translate the **brand's aesthetic** into an interactive web experience.
- Implemented key features such as **product galleries, category filters, and cart previews** for an e-commerce-like interface.
- Enhanced website **accessibility and responsiveness** across multiple devices using Tailwind CSS and media queries.
- Managed project versions using **Git** and deployed the site on **Netlify** for fast and reliable access.

Key Achievements:

- 🎨 Delivered a visually consistent, **user-friendly interface** that improved customer browsing experience.
- ⚡ **Optimized website performance**, reducing load times and improving responsiveness.
- 🛒 Helped GlowUp Beauty establish its **first online presence**, improving product visibility and brand reach.
- 🌐 Successfully **deployed and maintained the project on Netlify**, ensuring high uptime and performance.

Tech Stack: React.js, HTML5, CSS3, JavaScript (ES6+), Tailwind CSS, Git, Netlify

Education

Bsc/Finance, University of Benin ☑

10/2018

Benin City, Edo State, Nigeria

National Diploma, Abraham Adesanya Polytechnic ☑

11/2007 – 06/2010

Ijebu Igbo, Ogun State, Nigeria

Skills

Backend Development

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Node.js, Express.js, NestJS, TypeScript, JavaScript

APIs

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RESTful APIs, GraphQL, WebSockets, **Swagger (API Documentation)**

Security & Testing

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JWT, OAuth2, RBAC, Rate Limiting, Encryption,

Unit Testing (Jest), Postman, Test-Driven Development (TDD)

Frontend Development

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React.js, Next.js, HTML5, CSS3, JavaScript (ES6+), TypeScript, Tailwind CSS, Bootstrap, Axios, Redux, Context API, Responsive Design, Figma

Databases

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MongoDB (advanced schema design, replication, aggregation), PostgreSQL, Redis

DevOps & Cloud

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AWS (EC2, S3, CloudWatch), Docker, Kubernetes, Heroku, Render, Terraform (IaC), GitHub Actions (CI/CD)

Tools & Collaboration

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Git, GitHub, Agile Methodologies (Scrum), Jira, Trello

Certificates

- Backend Development (NodeJs) – CareerEX
- Foundations: Data, Data, Everywhere ☑

- Python and Statistics for Financial Analysis ☑

Projects

E-commerce API, A full-featured backend API for managing products, orders, users, and payments in an e-commerce platform

- Built an **e-commerce backend** with JWT-based authentication, product management, cart handling, and order tracking.
- Integrated **Cloudinary uploads** for product images.
- Structured APIs to support both customer and admin workflows.

QR Movie Code Generator [↗](#)

- Developed a backend service in **Node.js (TypeScript)** that generates unique QR codes for movies.
- Integrated the **OMDB API** to fetch real-time movie details (title, release date, poster, IMDb link).
- Implemented **QR code generation** using the qrcode npm library, returning downloadable QR images via REST API.
- Applied **MVC architecture** with strong TypeScript typings to reduce runtime errors.
- Designed endpoints for searching movies, generating QR codes, and exporting results as **PNG/PDF files**.
- Ensured scalability and reliability by structuring services for easy extension (e.g., TV shows, multiple APIs).

Tech Stack: Node.js, Express, TypeScript, OMDB API, qrcode, REST APIs, Jest (testing)

<https://qr-movie-generator.onrender.com/api> [↗](#)

Job API, A backend API for job listings, company management, and applicant tracking [↗](#)

- Developed a backend system with **role-based access** for applicants and employers.
- Implemented advanced **search, filtering, and pagination** for job listings.
- Designed scalable endpoints to handle large datasets of job posts and applications.
- **Live Demo:** <https://temp-jobster-api-2wgr.onrender.com/landing> [↗](#)

Donation Platform

- Developed secure **REST APIs** for donations, user authentication, campaigns, and multi-currency payments.
- Integrated **Paystack, PayPal, Bitcoin, and USDT** for global reach.
- Built an **admin dashboard** with role-based access to monitor transactions and campaigns.

Recipe Sharing Platform [↗](#)

- Developed a backend for a **social recipe-sharing application** using Node.js and MongoDB.
- Implemented **user authentication** (JWT) and secure profile management.
- Designed APIs for **recipe creation, editing, likes, and comments**, enabling community interaction.
- Added **media uploads (Cloudinary)** for recipe images.
- Optimized queries to support recipe search and categorization.

Expense Tracker (Personal Finance, 2024)

- Designed a backend system for **income & expense management** using Node.js, Express, and MongoDB.
- Implemented **secure authentication**, error handling, and data validation.
- Optimized queries for fast report generation and user transaction tracking

References

Available upon request