

# Emmanuel Seun SHITTU

## FullStack 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](https://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

• Python and Statistics for Financial Analysis ☑️

• Foundations: Data, Data, Everywhere ☑️

## 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,

02/2025 – 04/2025

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 [🔗](#)

07/2024 – 09/2024

- 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**