# Emmanuel Seun SHITTU

## Full Stack Developer

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## Profile

**Full Stack Developer** with hands-on experience building scalable web applications across both frontend and backend. Proficient in **Node.js**, **Express**, **React.js**, and **MongoDB**, with strong expertise in API design, UI integration, and cloud deployments (AWS, Docker, Heroku). Passionate about developing clean, secure, and high-performing full stack systems that deliver seamless user experiences from interface to database.

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## 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 | Jan – Apr 2025*

01/2025 – Present
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 – present
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 (Volunteer),** *Groovinx / SkyeStudio Project* 📍 *Remote*

10/2024 – 12/2024
Lagos

- Contributed to building a **social media analytics and content automation platform** using **Facebook Analytics APIs, FabricJS, and FFMPEG**.
- Developed features for **design automation, content creation, and social media analytics**.
- Collaborated with the team to **implement key project features under deadlines**, ensuring scalable and maintainable code.
- Enhanced expertise in **JavaScript, Node.js, ReactJS, and third-party API integration** through hands-on project work.
- Achievements:

**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),**                    01/2023 – 12/2023
*EdoJobs Tech Bootcamp – Full Stack Development Track*                    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 – 07/2025
                                                                                  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** ● ● ● ● ●
Node.js, Express.js, NestJS, TypeScript, JavaScript

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

**Security & Testing** ● ● ● ● ○
JWT, OAuth2, RBAC, Rate Limiting, Encryption, **Unit Testing (Jest)**, Postman, Test-Driven Development (TDD)

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

**Databases** ● ● ● ● ●
MongoDB (advanced schema design, replication, aggregation), PostgreSQL, Redis

**DevOps & Cloud** ● ● ● ● ○
AWS (EC2, S3, CloudWatch), Docker, Kubernetes, Heroku, Render, Terraform (IaC), GitHub Actions (CI/CD)

**Tools & Collaboration** ● ● ● ● ○
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,**                                                                                    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**