

OLOYEDE TANTOLUWA EMMANUEL

Backend Developer | Web Developer

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Portfolio: tantoluwa-oloyede.github.io/oloyede-tantoluwa-portfolio/

PROFESSIONAL SUMMARY

Backend focused Web Developer experienced in building REST APIs, authentication systems, database-driven applications, and responsive web experiences. Proficient in JavaScript, Node.js, Express.js, PostgreSQL, SQL, JWT, Git / GitHub, and database migrations, with hands on experience designing API workflows, relational data models, request validation, and role-based access control (RBAC). Built and tested backend systems involving appointment scheduling, availability management, booking workflows, authentication, and concurrency protection. Also experienced in developing responsive client-facing websites and translating project requirements into functional web experiences.

TECHNICAL SKILLS

Languages: JavaScript, SQL, HTML, CSS

Backend: Node.js, Express.js, REST APIs, JWT, Authentication & Authorization, API Design

Database: PostgreSQL, SQL, Relational Data Modeling, Database Migrations, Database Constraints

Frontend: HTML, CSS, JavaScript, Responsive Web Design

Testing: Jest, Supertest, Unit Testing, Integration Testing

Tools & Services: Git, GitHub, Render, Cloudinary, Nodemailer

Development: MVC Architecture, CRUD Operations, Request Validation, Role-Based Access Control, Backend Architecture

SELECTED PROJECTS

Appointment Booking System

Backend API | Node.js • Express 5 • PostgreSQL • pg-promise • JWT • Joi • Jest • Supertest

- Built a REST API for a multi-role appointment platform supporting customers, service providers, and administrators.
- Implemented authentication workflows including registration, email verification, OTP-based password reset, JWT authentication, and protected routes.
- Developed provider service management, weekly availability rules, available-slot generation, appointment booking and booking lifecycle workflows.
- Implemented role-based access control for customer, provider, and admin operations, including administrative user and booking management.
- Designed PostgreSQL constraints and booking logic to prevent concurrent double-booking, including database-level exclusion constraints.
- Added request validation with Joi and automated testing with Jest and Supertest, including unit, integration, concurrency, and load-oriented booking tests.
- Structured the application using controllers, models, raw SQL queries, middleware, services, schemas ,configuration, and database migrations.
- Deployed the backend API using Render.

Restaurant Management System

Backend Application | Node.js • Express 5 • PostgreSQL • Zod • JWT • db-migrate

- Designed the PostgreSQL foundation for a restaurant management system covering users, staff shifts, tables, reservations, menu items, inventory, orders, order items, and audit logs.
- Implemented authentication workflows with JWT, password hashing, email verification, OTP-based account recovery, and role-based access control.
- Designed database-level protection against overlapping table reservations using PostgreSQL range/exclusion constraints.
- Implemented order lifecycle enforcement at the database level, preventing invalid transitions such as reopening cancelled or paid orders.
- Added transaction support, idempotency key structures, audit logging, inventory relationships, and database indexes for operational workflows.
- Used Zod for request validation and db-migrate for version-controlled database schema changes.

AI IRL: Client Web Project

Frontend Web Development | HTML5 • Tailwind CSS • JavaScript

- Designed and developed a responsive landing page for an AI education/personal-branding project.
- Built a conversion-focused interface around course information, pricing, video demonstrations, curriculum sections, FAQs, and direct contact flows.
- Implemented interactive showcase filtering, expandable content sections, responsive navigation, and WhatsApp registration/inquiry flows.
- Added accessibility considerations including keyboard focus states, skip navigation, mobile menu announcements, and reduced-motion support.
- Implemented SEO and social-sharing metadata alongside responsive layouts for mobile-first usage.
- Integrated local video assets with fallback behavior for unavailable media.

Brew Haven Restaurant Website

Frontend Web Development | HTML • CSS • JavaScript

- Developed a responsive restaurant website featuring menu presentation, reservation functionality, location information, and customer-facing interactions.
- Implemented responsive layouts and JavaScript interactions for a practical restaurant browsing experience.
- Optimized the website for performance, achieving a reported 96 performance score.

EXPERIENCE

Freelance Web Developer: Independent

- Developed responsive websites and web solutions based on client requirements and project specifications.
- Translated client requirements and design direction into functional customer-facing web experiences.
- Managed projects from requirements and implementation through revisions and delivery.

Backend Developer: BuildUp Cohort Projects

- Developed REST API functionality using Node.js, Express.js, and PostgreSQL within collaborative development projects.
- Implemented backend workflows involving authentication, database operations, request validation, and API design.
- Collaborated with other developers to structure and deliver backend features within team projects.

Web Developer : Team Projects

- Collaborated with developers to build and deliver web applications.
- Contributed to responsive frontend implementation and backend functionality across team-based projects.

EDUCATION

Ladoke Akintola University of Technology (LAUTECH)

B.Sc. Computer Science | Expected 2031

CERTIFICATIONS

- Full Stack Development Certificate — Udemy
- Backend Development Certificate — BuildUp

ADDITIONAL INFORMATION

Languages:

English: Fluent | **Yoruba:** Fluent