

Tonye. Tobin

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## **EDUCATION**

Rivers State University

Port Harcourt, Rivers State

Bachelor's Degree in Computer Science

*Expected Graduation, December 2025*

**Relevant Coursework:** Data Structures & Algorithms, Database Management Systems, Software Engineering, Object-Oriented Programming, Web Technologies

## **PROFESSIONAL SUMMARY**

Junior Backend Engineer with 2+ years of hands-on experience building scalable backend systems using Python (Django, Django REST Framework) and Java (Spring Boot). Proven ability to design and implement RESTful APIs, optimize database queries, and architect maintainable backend services. Strong foundation in software engineering principles with practical experience in full development lifecycle from requirements gathering to deployment.

## **SKILLS**

- **Languages:** Python, Java
- **Frameworks:** Django, Django REST Framework, Spring Boot, HTMX
- **Backend:** REST APIs, Authentication & Authorization, Business Logic
- **Databases:** MySQL, PostgreSQL
- **Tools:** Git, GitHub
- **Concepts:** MVC, Layered Architecture, Backend System Design

## **EXPERIENCE**

IT Intern / Backend Development Trainee

**ION Consult Limited** — Port Harcourt, Rivers State.

May – November 2024

- Conducted stakeholder meetings with HR department to gather requirements and translate business needs into technical specifications.
- Developed end-to-end Recruitment Module backend system streamlining candidate application tracking from submission to hiring.
- Built document management system enabling secure upload, storage, and retrieval of candidate resumes.
- Created database schema modeling relationships between candidates, applications, interviews, and hiring workflows.

## **PROJECTS**

## **EchoSlot — Appointment Scheduling System**

**Tech:** Django, Django REST Framework, HTMX, MySQL

GitHub: [Echoslot](#)

- Engineered a full-featured appointment scheduling platform supporting 100+ concurrent bookings with real-time availability checking.
- Designed and implemented RESTful APIs for appointment management, service listings, and user authentication with JWT-based security.
- Built intelligent scheduling algorithm that detects and prevents double-booking conflicts, reducing scheduling errors to near zero.
- Leveraged HTMX for dynamic server-driven UI updates, achieving 40% faster page interactions compared to traditional full-page reloads.

## **Anonymous Therapy App**

**Tech:** Django, MySQL, HTML, CSS, JavaScript

GitHub: [Anonymous-Therapy-app](#)

- Developed privacy-focused anonymous messaging platform with zero personal data storage and user anonymity.
- Implemented secure authentication with session management, CSRF protection, and input validation preventing SQL injection/XSS attacks.
- Designed database schema optimizing for message retrieval while maintaining anonymity and implemented rate limiting.

## **E-commerce REST API**

**Tech:** Spring Boot

GitHub: [E-commerce](#)

- Architected RESTful e-commerce backend following clean architecture principles with separate controller, service, and repository layers.
- Implemented API endpoints for product management (CRUD), shopping cart, order processing, and user operations.
- Integrated Spring Security for JWT-based authentication and role-based access control (RBAC) protecting admin and user endpoints.
- Applied pagination, sorting, filtering to product listings and utilized Spring Data JPA for database operations