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Portfolio Website: <https://portfolio-jais380.netlify.app/>

INTRODUCTION

Backend Engineer with hands-on experience building REST APIs and backend services for educational, commerce, and fintech applications. Skilled in TypeScript/NestJS, Python/Django, Express.js, PostgreSQL, MongoDB, payment integrations, transactions, authentication, and database design. Familiar with Git workflows, testing, scheduled jobs, and remote collaboration, with a strong ability to learn quickly and solve complex problems.

EDUCATION

Madonna University, Akpugo, Enugu State, Nigeria (October 2019 – August 2024)

- Bachelor of Engineering, Electrical Electronic Engineering.

Cumulative GPA: 4.7/5.0

TECHNICAL SKILLS

- **Programming Languages:** Python, Javascript, Typescript.
- **Framworks & Tools:** Django, Django REST Framework, NestJS, Express, Node.js, Git, VS Code, Postman, Docker, Jira.
- **Databases:** PostgreSQL, MongoDB.
- **ORM/ODM:** TypeORM, Mongoose, Django ORM
- **Deployment:** Render.
- **Concepts:** REST APIs, GraphQL(Basic), JWT, RBAC, Transactions, Multi-Tenancy, Payment Integration, System Design, Unit Testing(Jest, Vitest and UnitTest), Cron Jobs
- **SOFT SKILLS:** Strong problem-solving and analytical skills., Effective communication and teamwork., Highly motivated and self-directed learner., Ability to work independently in remote settings., Ability to learn new things in a short timeframe.

EXPERIENCE

TeeSas Education (Hybrid) || January 2026 - Present

- Developed backend services supporting educational and commerce platforms using TypeScript, NestJS, PostgreSQL, and TypeORM.
- Designed and implemented REST APIs.
- Worked on legacy NestJS codebase - EMS and TeeSas App
- Worked on e-commerce backend services.
- Integrated payment workflows.
- Implemented transactional operations using QueryRunner.
- Built scheduled jobs using cron-based processes.
- Contributed to schema design and database optimization to support reliable backend operations and improve data access performance.
- Participated in code reviews, Git-based workflows, and agile development processes.

Backend Engineering Trainee | TS Academy (Remote) || January 2026 – May 2026

- Completed intensive backend engineering training focused on Node.js, Express.js, MongoDB, PostgreSQL, API design, and software development best practices.
- Built and documented RESTful APIs with authentication, authorization, validation, middleware, and CRUD operations.
- Developed backend applications including a Library Management System and a Fintech Banking System integrating NIN/BVN verification and banking APIs.
- Implemented MongoDB transactions, data reconciliation, and concurrency-safe updates to ensure data integrity in financial workflows.
- Applied database design, schema modeling, indexing, Git workflows, and Postman testing throughout project development.

SELECTED PROJECTS

Fintech Banking System (Node.js, Express.js, MongoDB)

- Built a backend banking system supporting user onboarding, NIN/BVN verification, OTP authentication, account provisioning, funds transfers, transaction history, balance reconciliation, atomic balance updates, and double-entry transaction logging.

GitHub: <https://github.com/jais380/banking-system>

E-Commerce Backend Platform (NestJS, PostgreSQL, TypeORM)

- Contributing to a scalable e-commerce backend with authentication, product management, transactional workflows, payment integration support, scheduled jobs, and a modular service architecture.

ClinicFlow – Multi-Tenant Healthcare SaaS (Django, DRF)

- Contributed to tenant middleware, tenant resolution, database routing, and database-per-tenant architecture to support secure healthcare data isolation and multi-clinic operations.

Student Portal API (Node.js, Express.js, MongoDB)

- Collaborated on a backend student management platform implementing authentication, role-based access control, student records management, academic workflows, and RESTful API architecture

GitHub: <https://github.com/FagbenleLydia/Brooks-student-portal>

SHOPLIFT - Django REST E-Commerce API:

- Built a backend e-commerce API with user authentication (JWT), product management, and transactional shopping cart system. Backend-only service, ready for integration with frontend applications.

Live Demo - <https://shoplift-2o3r.onrender.com/> || **GitHub -** <https://github.com/jais380/Shoplift>