

Praise Olaoye

Backend-Focused Full Stack Developer

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PROFESSIONAL SUMMARY

Backend-focused full-stack developer (**B.Sc. Computer Science with Mathematics, OAU**) with strong experience designing and building secure, scalable, and high-performance backend systems. Skilled in Node.js, NestJS, Fastify, Express, Prisma, PostgreSQL, MongoDB, and distributed caching.

Specializes in API architecture, authentication systems, background jobs, event-driven workflows, and data modeling.

Comfortable working across the stack when needed (React/Next.js), but deeply focused on backend engineering, system design, and real-world performance optimization. Passionate about building systems that are clean, maintainable, and production-ready.

PROJECTS

WealthWave Backend – Personal Finance Platform(*Personal Project*)

Tech: NestJS, Prisma, PostgreSQL, Redis, MongoDB, Docker, TypeScript, Swagger

 [GitHub](#)

- Architected a modular monolith backend enabling financial tracking, budgeting, and investments.
- Implemented Redis-based caching, request throttling, JWT authentication, and audit logging.
- Integrated PostgreSQL and MongoDB databases with Prisma ORM for structured and unstructured data.
- Dockerized backend with PostgreSQL and Redis using Docker Compose for local/production parity.

IVotee – University E-Voting Platform (SWEP Project: Lead developer)

Tech: Express.js, Prisma, PostgreSQL, JWT, Nodemailer, React, Crypto

 [GitHub](#)

- Developed a full-stack e-voting system with cryptographic hash-chain integrity and real-time results.
- Built a secure e-voting platform with cryptographic hash-chain integrity and real-time result tracking.
- Implemented passwordless (magic link) authentication and role-based access control.
- Ensured data privacy, one-vote enforcement, and WCAG-compliant accessibility.
- Worked well with group members while leading the project

Octodef – Hackathon Project (Solo Project)

Tech: Next.js 15, TypeScript, MongoDB, React Query, Three.js, OAuth (NextAuth), Tailwind + shadcn/ui

 [Live Site](#) |  [GitHub](#)

- Engineered a multi-agent cybersecurity simulator: 8 coordinated AI-inspired agent
- Built a modular analysis pipeline orchestrated by an "Orchestrator" agent handling severity scoring, and structured findings.
- Implemented secure persistence using MongoDB with per-user analysis history and protected API routes.
- Created a 3D animated landing experience using Three.js (interactive octopus model).
- Supports automated alerts via webhooks when severity escalates to critical.
- Designed clean backend logic under `/lib/defense/` with per-threat analyzers and ML-like anomaly scoring for logs.

TECHNICAL SKILLS

- **Languages & Frameworks:** Node.js, NestJS, NextJS, Express, React, TypeScript, Fastify, Python
- **Databases:** PostgreSQL, MongoDB, Prisma ORM, Drizzle ORM
- **Caching & Queues:** Redis, Throttler, Background Jobs
- **Security:** JWT, OAuth, Role-Based Access, Input Validation, Rate Limiting
- **Tools:** Docker, Vercel, Render, Postman, GitHub
- **Other:** System Design, API Documentation (Swagger / Postman), API Architecture

HIGHLIGHTS

- Built multiple production-ready backend systems with strong security and clean architecture.
- Solid experience in backend scaling: caching, queues, database modeling, modular monoliths.
- Comfortable integrating frontend and backend for full-stack delivery when needed.
- Strong problem-solving mindset, adaptability, and ability to work both solo and in teams.
- Passionate about backend engineering, distributed systems, and maintainable codebases.