

# 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

#### Persona – Goal Tracker and Personal Scheduler

**Tech:** Nodejs, React, JWT, openai api, Framer-motion, zustand, node-cron

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- Architected a modular full-stack productivity ecosystem using React, Express, and PostgreSQL, enabling intelligent schedule management and AI-driven goal tracking.
- Integrated Google Gemini AI via a credit-based system to deliver personalized productivity insights, dynamic goal decomposition, and adaptive daily focus recommendations.
- Engineered a real-time notification infrastructure utilizing Node-cron for background task scheduling and Web-Push API for cross-platform user engagement.
- Developed a high-performance analytics suite with Recharts and Framer Motion, visualizing productivity trends, completion rates, and goal progress metrics.

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

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

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- 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

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- 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.
- 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.