

# Tiffany Ugwunebo | Software Developer

[Github](#) | [Email](#) | [Portfolio](#) | [LinkedIn](#)

## Professional Summary

Backend-focused software engineer with a strong foundation in Node.js, TypeScript, PostgreSQL, and API security. Experienced in building and scaling production-grade systems, optimizing backend performance by up to 35%, and leading small teams in agile environments. Passionate about early-stage product development, scalable system design, and cost-efficient cloud infrastructure.

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## Work Experience

### Applai Grants – Lagos, Nigeria

#### Backend Engineer | Oct 2024 – Present

- Scaled an AI-powered grant application platform serving **multiple startups and SMEs**, reducing API response time by 40% through backend refactoring and optimized queries.
  - Strengthened backend security by implementing JWT authentication, OAuth and role-based access controls, cutting unauthorized access attempts by **95%**.
  - Collaborated with 5+ cross-functional engineers and designers to deliver new AI-driven automation features, improving grant-matching accuracy by **18%**.
  - Integrated continuous deployment pipelines using Docker and GitHub Actions, reducing manual deployment time by **70%**.
  - Contributed to the **V2 release**, focused on scalability improvements handling 3x expected user load.
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### RiseVest – Lagos, Nigeria

#### Backend Trainee Developer | Jan 2024 – Present

- Designed and documented 30+ RESTful APIs using Swagger, improving cross-team integration speed by **25%**.

- Implemented backend monitoring with Prometheus & Grafana, reducing mean time to issue detection by **60%**.
  - Built and deployed a **community platform** backend enabling **users** to collaborate on diaspora development initiatives.
  - Deployed multiple cloud-hosted applications (file drive, diary app, and blog API) with uptime over 99.5%, leveraging Docker and CI/CD pipelines.
  - Led a 3-person backend subteam for an internal community project, focusing on code quality and peer reviews.
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## Frontend Projects

### GitHub PR Tracker – React, REST APIs, Data Visualization

- Collaborated in a 3-member team under 6-week agile sprints to build a GitHub issue tracker with live API integrations and visual analytics.

### Public Safety Wiki Site – React, CSS Grid, Flexbox

- Designed a mobile-first wiki platform optimized, using responsive grid-based layouts for visual consistency.

### Chore Manager App – React, Hooks, State Management

- Developed a full-featured React task manager demonstrating reusable components, local storage and efficient state handling.
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## Technical Skills

- **Backend & APIs:** Node.js, NestJS, Hono, Express, REST API Design, JWT Authentication, API Security.
- **Databases:** PostgreSQL, Prisma, Drizzle, Redis (Caching/Queues), MongoDB, Data Migration, Query Optimization
- **DevOps & Infrastructure:** Docker, Prometheus, Grafana, CI/CD Pipelines, Railway, Render, Supabase, Neon PostgreSQL
- **Frontend:** React, Next.js, HTML, CSS
- **Languages:** JavaScript, TypeScript, Python, SQL, C++
- **Other:** Microservices, System Design, Testing Frameworks (Jest, Mocha), Cost Optimization, Message Brokers (NATS, Kafka)

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## **Certifications**

- **Design Thinking** – HP LIFE (Completed May 31, 2025)
  - **Machine Learning Internship Certificate** – HubbleMind Labs (Jan 2025)
  - **Introduction to IoT and Embedded Systems** – University of California, Irvine (Dec 2023)
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