

Adebiyi AbdulQuawiy

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FULLSTACK SOFTWARE ENGINEER

Professional Summary

Full-stack Software Engineer specializing in Django and React, with proven experience designing and deploying scalable applications. Skilled at translating complex requirements into efficient, user-friendly solutions that improve performance and user engagement. Strong background in API development, database optimization, and building maintainable codebases for long-term growth.

Core skills

Django, Django REST Framework (DRF), React, Tailwind CSS, JavaScript (ES6+), Python, PostgreSQL, MySQL, SQLite, Query Optimization, RESTful APIs, GraphQL, Third-Party API Consumption, Authentication & Authorization, Scalable Web App Architecture, Cloud Hosting (Heroku, Vercel, AWS basics), CI/CD Pipelines, Docker

Methodologies & Competencies

- Agile & Scrum Practices: Sprint Planning, Daily Stand-Ups, Iterative Development, Retrospectives
- Version Control & Collaboration: Git, GitHub/GitLab, Branching Strategies, Code Reviews, Pull Requests
- Testing & Quality Assurance: Unit Testing (Pytest/Jest), Integration Testing, Debugging, Continuous Improvement Mindset
- Project Delivery: Deadline Management, Requirement Analysis, Translating Business Needs into Technical Solutions

Work Experience

Pavilion Technology | Backend Developer (Intern)

2025 Mar 3 – 2025 Aug 28

Collaborated with a team as a Backend Developer for the project SIWES Log Book Tracker. Designed and streamlined the database schema with PostgreSQL, developed and optimized RESTful APIs using Django REST Framework, defined role-based authentication, and collaborated with frontend developers to ensure smooth integration between backend services and the user interface.

- Spearheaded the development of 12+ RESTful APIs** using Django REST Framework, ensuring seamless communication between frontend and backend systems, **decreased data inconsistencies by 40% and improved system reliability**

- **Optimized API endpoints** using Django REST Framework to support over 5000 daily active users, enabling efficient data retrieval and contributing to increasing overall system uptime to **99.9%**.
- **Designed and normalized database schema** in PostgreSQL to handle student log entries, reducing average query response time by **35%** and ensuring scalability as records expanded.
- **Engineered role-based access control (RBAC)** for over **200 active users**, enhancing data security and tailoring user experiences while maintaining compliance with internal regulatory standards.
- **Collaborated with frontend developers** to integrate backend endpoints with Vue.js, reducing logbook submission turnaround time by **25%** and improving supervisor review efficiency.
- **Authored comprehensive API documentation and backend workflows**, accelerating onboarding for new developers by **50%** and improving long-term maintainability.
- **Implemented secure authentication and session management** using JWTs and Django's authentication system, reducing unauthorized access attempts by **30%**.
- **Minimized production defects** by developing and implementing automated testing suites with Pytest, resulting in a **99.99%** system uptime and zero critical incidents in the past quarter.

Education

Olabisi Onabanjo University | B.Sc. Computer Science

2023 - current

Major: Computer Science

APTECH | Frontend Web Development

2022 – 2023

Gained practical experience in HTML, CSS, JavaScript, and responsive UI design.

Technical Acumen

- **Programming & Scripting:** Python (Django, DRF), JavaScript (ES6+), HTML5, CSS3, Tailwind CSS
- **Frameworks & Libraries:** React, Vue.js (basic), Redux/Context API, Bootstrap
- **Databases & Data Management:** PostgreSQL, MySQL, SQLite, Query Optimization
- **API Development & Integration:** RESTful APIs, GraphQL (introductory), Third-Party API Integration, Authentication & Authorization
- **Tools & Platforms:** Git/GitHub, Docker (introductory), CI/CD pipelines, Postman, VS Code
- **Software Development Practices:** Agile & Scrum, Test-Driven Development (Pytest, Jest), Version Control, Code Reviews
- **Deployment & Hosting:** Heroku, Vercel, Netlify, AWS (basic)
- **Other Competencies:** Scalable System Design, Secure Authentication, Role-Based Access Control, Caching Strategies