Daniel Oyasodun

Newark, New Jersey

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EDUCATION

New Jersey Institute of Technology — Newark, NJ
Bachelor of Science in Computer Science — *Sep. 2022 – Aug. 2025*

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, Kotlin, JavaScript/TypeScript, Bash, HTML, XML, R
Frameworks & Tools: React, Next.js, Django, Laravel, REST, GraphQL, Git, Docker, AWS
Databases: PostgreSQL, MongoDB, DuckDB
Operating Systems: Windows, Linux/Unix, Android

EXPERIENCE

Backend Software Engineer Intern — July 2025 - Aug. 2025
BtheCause — *Remote*

- Streamlined backend database operations by designing and executing MariaDB migrations with zero downtime.
- Refactored PHP/Laravel models and controllers, reducing code complexity and enabling faster feature deployment for the platform.
- Developed automated unit and integration tests, cutting deployment issues.
- Collaborated with frontend team to integrate REST API endpoints, accelerating feature delivery.

Computer Science Tutor — June 2023 - Aug. 2023
New Jersey Institute of Technology — *Newark, NJ*

- Led coding workshops for 35+ students, improving class-wide assessment scores by 20% and mentoring students in debugging and problem-solving.
- Created tailored study plans and interactive exercises to reinforce programming skills.

PROJECTS

VizBall — Interactive Sports Analytics Hub (In Progress) | Repository — Sep. 2025 – Present
Next.js, Java Spring Boot, PostgreSQL, React

- Building a full-stack platform for sports fans to explore advanced statistics, compare players, and create custom visualizations for NBA and top European football leagues.
- Implementing a Substack-style community feature where users can share visualizations, embed them on social media, and follow contributors for personalized content.

AI Resume Builder — Job-Aware Resume Platform | Repository | Website — Feb. 2025 – May 2025
Django, React, Supabase, Auth0, Heroku, Vercel

- Built an AI-powered platform to generate job-specific resumes, addressing the problem of generic templates.
- Implemented real-time collaborative editing with support for multiple concurrent users and automatic saving.
- Designed and deployed REST APIs with Supabase + Django for dynamic resume sections.
- Integrated secure authentication via Auth0; deployed frontend to Vercel and backend to Heroku.

Sports Data Visualization — Data Analytics for Sports Insights | Repository — Feb. 2025 – Present
R, Python, Data Visualization

- Created visualizations that make complex sports statistics accessible to both casual fans and analytics enthusiasts.
- Created NBA shot charts, EPL heatmaps, and other visualizations to translate metrics like shooting efficiency, player positioning, and more into clear visual stories.
- Applied K-means clustering, machine learning, and predictive modeling to uncover player groupings and performance trends.

NBA Snapshot — Android NBA Score Tracker | Repository | Demo — Nov. – Dec. 2024
Kotlin, XML, Room, Coroutines

- Built an Android NBA tracking app with sub-1-second score updates and full offline support using Room DB caching.
- Optimized API calls using Kotlin coroutines, reducing data usage and battery consumption.
- Applied MVVM architecture to improve maintainability and efficiency.

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