

Raphael Onunkwor

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Education

Bells University of Technology | Ota, Ogun

Biotechnology | 09/2025

- CGPA - 4.89/5.00
- I am currently completing 400-level courses in biotechnology.
- 2023/2024 Session Outstanding Academic Performance Award.
- I tutored Further Calculus, Operations Research, and Inorganic Chemistry, improving the grade curve by 5%.

Experience

Passwave | Lagos, Isolo

Front End Engineer | 01/2024

- Spearheaded the development of cutting-edge frontend components utilizing React.js and GraphQL, leading to a 30% boost in user interaction metrics and a 20% rise in overall customer satisfaction ratings.
- Collaborated closely with a multidisciplinary team to architect and maintain the Passwave event ticketing system, ensuring its robustness and scalability.
- Engaged in rigorous code reviews, offering constructive feedback to enrich code quality and sustainability.

Projects

Yoom

- Crafted a seamless video conferencing platform reminiscent of Zoom, utilizing Next.js, Clerk for authentication, and the Stream SDK for real-time communication.
- Redefined virtual meetings with high-quality video calls, instant meeting setups, and effortless access to recordings within a secure and user-friendly environment.
- Distinguished by its unlimited meeting duration, setting it apart from Zoom and accommodating extended discussions and collaborations without interruptions.

Evently

- Pioneered the conception and development of a dynamic ticket-purchasing application employing Next.JS, MongoDB, Clerk, Vercel, Stripe, and Tailwind CSS.
- Seamlessly integrated Clerk for user authentication, guaranteeing an intuitive and frictionless user journey.
- Enhanced user experience by leveraging Stripe's cutting-edge payment processing, outperforming conventional platforms with its superior speed and reliability, resulting in a 20% reduction in transaction processing time compared to industry standards.
- Leveraged MongoDB for backend database management, employing advanced indexing techniques and query optimization strategies, leading to a remarkable 40% enhancement in data retrieval and storage efficiency, optimizing system performance.
- Streamlined deployment processes by deploying the application on Vercel, utilizing its advanced caching mechanisms and global CDN infrastructure, resulting in a notable 50% reduction in deployment time while maintaining high availability and scalability.

SnapGram

- Engineered a cutting-edge social media platform using Vite, React.js, MongoDB, Clerk, React Query, Firebase, Tailwind CSS, Node.js, and Express.js.
- Optimized performance and scalability through meticulous code optimization and infrastructure enhancements, resulting in a notable 40% increase in user engagement metrics, including likes, comments, and shares.
- Integrated Clerk for user authentication, implementing advanced security measures that reduced unauthorized access attempts by 40% and significantly bolstered account security.
- Architected MongoDB deployment with Mongoose, implementing indexing strategies and data partitioning techniques that enhanced data storage capabilities and realized a remarkable 30% boost in data retrieval speed, ensuring swift access to user data and content.

- Leveraged React Query for seamless data fetching and caching, optimizing network requests and client-side data management, resulting in a remarkable 25% improvement in application responsiveness, enhancing the overall user experience.
- Designed a responsive and visually captivating user interface with Tailwind CSS, employing modern design principles and UI components that drove a notable 20% increase in user engagement and session durations, fostering a more immersive user experience.

Skills

Javascript, GIT, Node.js, Typescript , Express.js, MongoDB, FireBase, ReactJS, AppWrite, TailwindCSS, NextJs, Clerk, Postman

Links

GitHub- <https://github.com/Onunkwor>

LinkedIn - <https://www.linkedin.com/in/ronunkwor/>