CHINEMEREM RICHARD ICHIE

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EDUCATION

ALTSCHOOL AFRICA   Nigeria, Enugu
Diploma in Software Engineering   Nov 2021-June 2023
Relevant Coursework: Application Programming Interface(APIs); Databases; Algorithms; Servers; Data Structure, Git, Soft skills

UNIVERSITY OF NIGERIA NSUKKA   Nigeria, Enugu
Bachelor of Medical Laboratory Sciences   Oct 2017- Nov 2023
Major in Histopathology; Minors in Microbiology

WORK EXPERIENCE

AVVIC GROUP.   Nigeria, Enugu
Software Development Intern   May 2023 – Present

1) Company Website- Avvic Group
- Contributed to development of responsive and scalable website for Avvic group company using react. The website, designed with a mobile first approach, ensured optimal user experience across various devices. increasing user engagement by 75%

2) Apartment booking website(Next.js, Typescript and Mongodb)
- Worked with team of developers to create an apartment booking platform with next.js, typescript and mongodb
- Integrated functionalities that allowed users to seamlessly: book apartments, make reservations, select food items from menu, add items to cart, remove items from cart, check out cart item, receive email after payment is made
- Added secure payment integration using flutterwave for seamless and efficient transactions, increasing efficiency by 70%

3) Bank Account Creation API(Node.js, PostgresQL, Knex)
- Modeled the API for scalability, allowing it to handle large number of concurrent request of over 18000 request per second
- Tested software for bugs, fixing bugs and documenting process to increase efficiency by 8%
- Deployed optimization strategies resulting in 15% increase in API performance
- Ensured data integrity through comprehensive validation checks, minimizing the risk of errors or discrepancies. Increasing performance by 10%. Added advanced data handling techniques for efficient processing and storage of account creation data

PROJECTS

BLOGGING WEB APPLICATION   Nov 2022
- Engineered and applied a RESTful Blogging web application using Node.js, Express and MongoDB that handled over 15000 requests per second
- Users can be able to sign up, write blog posts and view other users blog posts
- Introduced a search functionality enabling users to search for blog post by author or title thus, improving speed by which users can retrieve blog posts by 70%

BOOKSTORE WEB APPLICATION   Jan 2023
- Architected and implemented a RESTful bookstore application using Node.js, Express and MongoDB that can handled over 250,000 concurrent user connection
- Users can register with web application, Create, Read, Update and Delete(CRUD functionality) books from the book store
- Created 2 database collection, one for books and one for authors using Mongodb to provide structure to stored data and to maintain database efficiently

SKILLS

Technical Skills: HTML/CSS, Javascript, Node.js,Typescript,React,Next.Js, MongoDB, MYSQL, Bootstrap,Tailwind,Postgres
Soft Skills: Growth mindset, Confidentiality, Team work

ADDITIONAL

Languages: Fluent in English; Conversational Proficiency in Igbo