Etta, Raphael B.

SOFTWARE DEVELOPER

Mail: ralphbetta@gmail.com

Home: +234 (0) 8133726269

Address: Road 7A, Dr Shaffideen Amuwo Street, Lekki Scheme 2, Lagos

Social: www.linkedin.com/in/raphael-etta-5410a4194

Git: https://github.com/ralphbetta

Portfolio: https://ralphbetta.com

ABOUT ME

I'm a highly skilled web and hybrid mobile application developer, with over six years of professional experience. specialized in developing and deploying professional and user-friendly applications for complex and scalable intents, with hands-on experience in industry-relevant tools, languages, and frameworks.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, PHP, SQL

Server-Side Framework /Architecture: Node.js (Typescript) with Express, Laravel, Nginx, Apache, RabbitMQ, WebSocket, GraphQL, Rest API, gRPC.

Client-side Frameworks: Flutter, Bootstrap, Reactjs (Typescript), JavaScript, JSON, Html, CSS.

Database: MySQL, PostgreSQL, SQLite, SQL Server, NoSQL (MongoDB, Firebase)

API Testing/Documentation: Postman, Swagger

Tools/Environment: Visual Studio, VS Code, XCode, GitHub

Version Control: Git, GitHub

Methodologies: Agile Scrum, Test Driven Development (TDD)

Cloud: Virtual Private Server (VPS), CICD, Docker,

OTHER SKILLS

Working with Amazon Web Services (AWS), Linode, IBM, etc.,

Monolithic and Mirco-Service Architecture

API Documentation (using Postman)

Search Engine Optimization (SEO)

Version Control using Git and GitHub

Product management skills

Adaptive skills

Team management and teamwork Leadership skills

Critical Thinking

Time management and Planning Skills

AREA OF EXPERTISE

Web Development

Designing and implementing robust and scalable web applications, overseeing both frontend using technologies and frameworks like React.js, HTML, CSS, Bootstrap and back-end development using Node.js and Laravel/ PHP, ensuring seamless integration and performance optimization.

Mobile App Development

Developing cross-platform mobile applications using Flutter framework, ensuring high-quality UI/UX, code efficiency, and platform-specific functionality for Android and iOS alongside deployment on google play and apple store.

Cloud Computing

Architecting and scalable and secure cloud solutions, optimizing resource usage and ensuring seamless deployment, application hosting and data management on platforms like AWS, Google Cloud, Linode etc.

Blockchain Development

Developing Decentralized Applications (dApps) using blockchain technologies, creating smart contracts, maintaining and managing blockchain networks and innovating with technologies like solidity, securing transactions, upholding network integrity and exploring innovative uses of blockchain for diverse industries beyond crypto currencies.

EXPERIENCE

CLOUD CLINIC LIMITED *- Mobile Developer*

DECEMBER 2022 - PRESENT, LAGOS

- Developed, deployed, and maintained a telemedicine mobile application and a partner medical facility management application, all working seamlessly on Android and iOS platforms and also available on Apple and Google Play Store, while ensuring consistent app performance and behavior across different devices.
- Collaborate with cross-functional teams including designers, product managers, and backend developers to deliver high-quality software solutions.
- Implement user interface designs based on design guidelines and specifications. An enhanced app performance through optimization techniques.
- Integrated third-party APIs and services such as Firebase, Payment gateways, Google Maps, Appflyers, etc.
- Conducted unit, widget, and integration testing and debugging to ensure application stability and resolved issues reported by QA and end-users.
- Provided guidance and assistance to the application support teams in resolving user issues as well as obtained performance feedback from the support team for further improvements and bug fixes.
- Actively participated in the daily standups, bi-weekly PI performance evaluations, and weekly design review and solutioning sessions to shape the architecture and features of the "MyCloudClinic" solution.

TIOO - *Lead Backend Developer*

JUNE 2022 - OCTOBER 2022, REMOTE (CONTRACT)

- Developed and deployed a modular, and testable server-side code, for an AI-powered educational learning resource tool, designed for students, teachers, and schools using Node.js. Ensuring high performance, scalability, and maintainability.
- Collaborate with the data and AI team along with the frontend engineers to define and implement connections that facilitate seamless communication between frontend and backend systems, integrating RESTful APIs, microservices architectural design patterns, and collaborative development workflows using GitHub for version control.
- Collaborate with cross-functional teams, including product managers and designers, to gather requirements and translate them into scalable backend solutions.
- Design and optimize database structures, ensuring data integrity, efficient data retrieval, querying, and performance optimization resulting in a significant improvement on the application response time.
- Integrate with Cloud services to deploy and manage scalable infrastructure.
- Implement roles and permission-based authorization of users, by setting up a robust authorization policy scheme, to protect sensitive data.

- Conducted routine code review sessions, provided feedback and oversight to junior developers on my team, and actively reviewed, approved, and merged pull requests as part of my daily responsibilities.
- Setting up custom monitoring and logging middleware to capture and log error requests and response payload alongside request monitoring using third-party systems like Treblle.

TECHROOM - *FullStack Developer*
SEPTEMBER 2021 - DECEMBER 2022, ONSITE (CONTRACT)

- Collaborated to develop a mobile platform offering digital financial solutions using SAAS (Software As A Service).
- Integration of mobile applications with backend servers (REST API, Firebase, etc.), payment gateways, google-authentication, Google Admod, push notifications, etc.
- Document features, APIs, architecture, and designs clearly and concisely.
- Debug, troubleshoot, and resolve production issues in a timely fashion.
- Served as a mobile and server-side development instructor, training students on Flutter and NodeJS from beginner to intermediate level.

BLOCKCHAIN EDUCATION INVATION (BEI) - *FullStack Developer*
NOVEMBER 2018 - MARCH 2022, (REMOTE)

- Developed a booking system with real-time score updates for a virtual game application using WebSocket and REST API with Nodejs and an admin management dashboard using Bootstrap.
- Developed a referral account management system using Flutter for the mobile application and Nodejs for the server side.
- Configured and deployed web applications to AWS and Linode Virtual Private Servers.
- Developed and deployed a private virtual-game API service with Nodejs for the server side and Flutter for the web user's dashboard.
- Worked with the Product Manager to hash out requirements and helped bridge the gap between business requirements and technical implementation.
- Utilized Git for version control to manage codebase changes and collaborate with the development team.

PROJECT

PROMEAL - *FullStack (Mobile & Backend)*

NOVEMBER 2023 - DECEMBER 2023,

MOBILE

- Design and develop user-friendly interfaces and functionalities using Flutter for the food management and transfer application.
- Ensured app responsiveness, smooth navigation, and consistent user experience across different devices.
- Implement QR code scanning features and user-to-user transfer functionalities.
- Develop UI components to display and manage notifications for users to receive instant alerts for meal claims and transfer within the app.

SERVER

- Developed and maintained robust APIs and backend services using Node.js, ensuring scalability, performance, and security of the backend system.
- Implement authentication, authorization, and user management functionalities.
- Optimize database queries and data storage for efficiency.
- Implemented real-time features to establish efficient data transfer protocols for instant updates.
- Ensured smooth and secure transactions, handling edge cases and errors gracefully and managing data consistency and integrity during transactions.
- Designed, deployed and managed cloud infrastructure for the node server
- Set up and configured NGINX for reverse proxy and load balancing.

EDUCATION

UNIVERSITY OF UYO - *B.Eng. Electrical/Electronics Engineering*

NOV 2015 - APRIL 2020, UYO

Programmed and automated electrical-related tasks using Arduino and other operational sensors.

Completed a project on the implementation of an institution inquiry chatbot using NLP in Python and Flask framework.

REFERENCES

Available on request.