

Osinachi Chukwujama

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Work Experience

Hotels.ng

Nigeria

BACKEND/DEVOPS ENGINEER

June 2024 – Present

- Authored CI/CD pipelines that run on GitHub Actions for automated Build, Test and Deployment processes ensuring zero downtimes for all supporting applications.
- Implemented Monitoring and Observability solutions using Grafana, Loki, Promtail, and Prometheus, enabling real-time tracking of the Telex's server and application metrics.
- Deployed a real-time communication stack using Centrifugo (Socket.io alternative) and connected it to both the frontend and backend application
- Developed a scheduler system using Celery (Python) and RabbitMQ for cron-based and pull-based workloads on the Telex platform.
- Optimized PostgreSQL database queries and implemented event sourcing using the write-log to reduce database polling

Thrillers Travels

Lagos/Nigeria

FRONTEND SOFTWARE ENGINEER

July 2023 – December 2023

- Optimized Next.js SSR and lazy loading to fix memory bloat, improving performance and reducing page load times.
- Implemented pixel-perfect UI based on Figma designs, ensuring a seamless and responsive user experience.
- Refactored data fetching with React Query, eliminating redundant API calls and enhancing client-side caching.
- Enhanced code splitting with dynamic imports, reducing the initial bundle size and improving site speed.

Patricia Technologies

Lagos, Nigeria

FULL-STACK SOFTWARE ENGINEER

July 2021 – June 2023

- Implemented and optimized the admin dashboard of the crypto payment management system for the Patricia applications using React.js, Next.js, and TailwindCSS, resulting in an 80% improvement in payment management.
- Wrote and documented CRUD APIs related to customer payments on the Vaunt Laravel application.
- Implemented logging and monitoring using Sentry which helped identify bugs in the application, improving uptime by over 25%.
- Increased the security of the payment admin dashboard by 70% by implementing token-based Two-Factor Authentication, ensuring secure access to the payment system.
- Refactored the data fetching layer of the application to use React Query, reducing duplicated code and improving performance.
- Successfully enhanced the frontend resilience of the crypto payment management system by writing component and integration tests using Jest and Playwright, reducing app crashes in production by 90%.
- Reduced runtime bugs in the production environment of the payment management system by porting the JavaScript-based React application to TypeScript, ensuring smoother performance, type-safety, and efficient debugging.

Skills

Programming Languages: Javascript, Typescript, Python, Go, SQL

Frameworks: Nest.js, Next.js, React.js

Technologies and Tools: Git, Docker, GraphQL, Bash, Prometheus, Grafana

Soft Skills: Communication, Presentation, Critical Analysis, Technical Writing, Attention to detail

Education

Federal University of Technology, Owerri

Owerri

MECHANICAL ENGINEERING IN MECHANICAL ENGINEERING IN INDUSTRIAL AND PRODUCTION ENGINEERING

November 2017 – August 2023

GPA: 4.52

Projects

Da Chat App

A REALTIME CHAT APPLICATION BUILT USING WEBSOCKETS, SIGNED COOKIES, AND GRAPHQL, SUPPORTING CHATS IN ROOMS

NestJS, NextJS, GraphQL, Socket.io

<https://github.com/vicradon/tactology-global-chatapp>

Create Env Action

A GITHUB ACTION THAT CREATES .ENV FILES IN GITHUB ACTIONS WORKFLOW, STREAMLINING ENVIRONMENT CONFIGURATION.

GitHub Actions, .env, CI/CD
<https://github.com/vicradon/create-env-action>

Telex

AN ONGOING PROJECT IN WHICH I HANDLED THE QUEUE PROCESSING AND CI/CD PIPELINE MAINTENANCE

Logging, Webhook, Go
<https://telex.im>

Certifications

September 2024	Azure Administrator (AZ-104) , Awarded the Microsoft AZ-104 certification for demonstrating proficiency in deploying and managing Azure services.	<i>Microsoft</i>
June 2024	Azure Data Scientist Associate (DP-100) , Awarded the Microsoft DP-100 certification for demonstrating proficiency in running machine learning workloads on Azure.	<i>Microsoft</i>
May 2024	Github Actions Certification , Awarded the Github Actions certification for demonstrating proficiency in authoring workflows using GitHub Actions.	<i>GitHub</i>
September 2020	Azure Fundamentals (AZ-900) , Demonstrated proficiency in cloud computing on Azure and solutions built on the cloud, resulting in achieving the Microsoft AZ-900 certification.	<i>Microsoft</i>