

JACINTH TOOCHUKWU DAVID

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EXPERIENCE

Allin-Technologies

Backend & Devops Engineer

Remote

September 2024 - Present

- I contributed to the backend development of the Abitto Ferry Ticket System, an official platform for water transportation between Calabar and Uyo, using Nodejs and Express for the backend and SQL for our database.. By October 2024, the system had served over 5,000 users and processed more than \$30,000 in transactions.
- I assisted in implementing CI/CD pipelines using GitHub Actions, contributing to a 15% reduction in deployment time and enabling more frequent releases for the Abitto Ferry Ticket System and TEDx Abuja's "Tickets by All-In" platform.
- I supported the development and management of Docker containers for microservices architecture, helping improve system scalability and contributing to infrastructure cost optimization.
- I optimized backend processes and database queries, contributing to a 20% reduction in average response times and maintaining high uptime for ticket purchase transactions and user data management across both platforms.
- I collaborated with frontend developers to ensure smooth integration of backend APIs, helping enhance user engagement and reduce technical support tickets by approximately 10%.

Foodpulse

Devops Engineer

Remote

July 2024 - Present

- I deployed the company's Next.js landing page using AWS Amplify, enhancing the site's performance by reducing load time by 25% and improving user experience.
- I managed the deployment of the Next.js application on an EC2 instance, utilizing a GitHub runner for CI/CD, streamlining the deployment process and reducing deployment time by approximately 40%.
- I launched an RDS backend for secure and scalable data storage, ensuring high availability and reliability for the application, while optimizing database queries to improve overall performance.
- I added monitoring with Helm and Grafana to provide better visibility of the application's health, creating custom dashboards for real-time monitoring of key performance indicators.
- I implemented logging using Logstash service to collect and process logs from Docker containers, then forward them to Better Stack for storage and analysis, significantly improving our ability to monitor application performance, detect and troubleshoot issues in real-time, and gain actionable insights from log data for better decision-making and system optimization.
- I worked on iterating a deployment to host the Node.js backend and frontend on a single EC2 instance. This involved setting up the backend on the server, configuring the frontend for deployment, and ensuring both services run seamlessly on the same instance for optimal resource utilization.

- I engineered and deployed the company's frontend website using AWS S3 for storage and CloudFront for content delivery, significantly improving page load times and reducing bounce rates across global markets.
- I architected a robust and scalable infrastructure utilizing AWS services including S3, CloudFront, AWS Fargate, and DocumentDB, enabling the platform to handle a substantial increase in concurrent users while maintaining high availability.
- I implemented and optimized CI/CD pipelines, reducing deployment time significantly enhancing the development team's productivity.
- I integrated comprehensive monitoring solutions using Helm and Grafana, creating custom dashboards that improved issue detection and resolution times, leading to enhanced application reliability and performance.

PROJECTS

- **TicketsbyAllin:** Developed TicketsbyAllin, a robust online ticketing platform that enabled seamless purchasing and delivery of tickets via unique QR codes; improved user engagement metrics, reaching 10,000 active users within six months post-launch.
- **Abitto Ferry Ticket System** : Abitto Global's official ticketing system for fast ferry service between Calabar and Uyo. As product manager, I led the MVP and v1 launch. By October 2024, it served 5,000+ users and processed over \$30,000 in transactions.
- **Foodpulse:** Foodpulse is a social media platform for the food industry, aiming to present food as art and a catalyst for social change. It aligns with UN SDG 2 - Zero Hunger. This PRD outlines MVP features for the creator role, forming the basis of Foodpulse's mission.

TECHNICAL SKILLS

Languages: Typescript, PHP, NodeJS, MongoDB, SQL, NestJS

Frameworks: Express.js, Laravel

Developer Tools: Git, Docker, AWS, Google Cloud Platform, VS Code, Ansible.

EDUCATION

Diploma in Cloud Engineering, AltSchool Africa

B.Eng. Electrical Electronics Engineering, Covenant University
Second Class Upper Honors