

# Micheal Ighietsemhe

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## WORK EXPERIENCE

### Chillsbay

New York, USA

Full-stack Engineer (Mobile Engineer & Backend Engineer)

June 2024 - Present

- Architecting and developing a scalable entertainment/social platform with NestJS and TypeScript, achieving **100%** uptime and handling **100,000+** event-driven processes daily.
- Implementing advanced caching strategies leveraging cloud infrastructures to reduce database load by **72%** and improve application response times by **96%**, resulting in enhanced user experience and increased platform efficiency.
- Developing cross-platform mobile applications using React Native, integrating real-time notifications, biometric authentication, and seamless API interactions, ensuring a smooth and consistent user experience across iOS and Android devices.

### Voja.Ai

Amsterdam, Netherlands

Full-stack Engineer (Mobile Engineer & Backend Engineer)

September 2023 - April 2024

- Developed a Collaborative Filtering algorithm to process **300+ million** hotel reviews, boosting user engagement by **95%**, optimised performance by **50%** via multiprocessing and caching.
- Integrated Auth0 for secure authentication and streamlined user onboarding by **65%**, reducing dropouts by **15%**. Automated user data retrieval through LLMs for personalised recommendations.
- Enhanced hotel recommendations on the Voja.Ai platform, increasing accuracy by **92%** and boosting booking conversions by **25%**. Leveraged advanced state management with React Native for smooth user interactions.
- Implemented dynamic data fetching with React Native, enabling real-time updates across iOS and Android devices. Enriched the mobile experience with biometric authentication and personalised content displays using Large Language Models.

### Proddly LLC.

Lagos, Nigeria

Full-stack Engineer (Backend Engineer & Mobile Engineer)

January 2020 - August 2023

- Architected scalable data pipelines with Confluent Kafka for real-time data ingestion, improving data accessibility and accuracy by **77%** and reducing processing time by **60%**, handling over **1+ million** events daily.
- Established CI/CD pipelines using GitHub Actions and Jenkins, alongside infrastructure automation with Terraform and Ansible on AWS, reducing release cycle time by **50%** and deployment errors.
- Automated ETL processes with scripts, reducing manual intervention by **85%** and optimising backend services for a **60%** reduction in response times.
- Implemented complex navigation flows and deep linking across Android and iOS with React Native, increasing user session time from **5 to 9 minutes** and reducing bounce rates by **40%**.
- Integrated native modules and optimised background services for cross-platform performance, ensuring push notifications for over **500,000+** users with a **99%** delivery rate and boosting offline feature usage by **25%**.

### Hifast.io

Lagos, Nigeria

Backend Developer

June 2018 - November 2019

- Built and deployed microservices with RESTful APIs and RabbitMQ, handling **70,000+** requests per minute. Used Docker and Kubernetes for horizontal scaling, maintaining **99.95%** uptime during a **50% user base growth**.
- Optimised performance bottlenecks using Redis caching and code profiling tools like clinic.js, reducing response times by **30% (150ms to 100ms)** and increasing engagement by **20%**.
- Resolved memory leaks and asynchronous issues by refactoring legacy code with async/await, cutting system errors by **40%** and boosting user satisfaction by **20%**.
- Automated deployments with Jenkins, introducing rollback mechanisms to reduce downtime and deployment-related issues, improving release stability.

## PROJECT

### Features Manager

Open-Source Node.Js/Typescript Library

Link: <https://www.npmjs.com/package/features-manager>

Duration: 4 days

The Features Manager, built with TypeScript, offers developers a flexible approach to activate features based on user-specific rules such as usernames and locations, as well as percentage rollouts. Built this package to meet company needs and requirements to have full control of versions and future additional requests.

## EDUCATION

Olabisi Onabanjo University, Nigeria

Ogun, Nigeria

BSc in Computer Science (GPA: 4.2)

## SKILLS & INTERESTS

**Skills:** JavaScript, TypeScript, Node.js, Nest.js, React Native, Expo, Express.js, TypeORM, Prisma, PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, Firestore, Docker, GraphQL, gRPC, RabbitMQ, GCP, AWS, KafkaJS, DigitalOcean, Apache, Jenkins, Jest, GitHub Actions, REST API, LLMs, Terraform, React, NextJs, LLMs, Googling.

**Interests:** Problems Solving & Architecture design, Analytics and monitoring, Career Consulting, Speaking at Universities, Football, Working Out