Micheal **Ighietsemhe**

SOFTWARE ENGINEER - NODE.JS ENGINEER
michig3000@gmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#)

SKILLS

BACKEND DEVELOPMENT | Node.Js • PHP • Python • NestJs • Express • Typescript
DATABASE | PostgresSql • MySql • MongoDB • DynamoDB • Prisma • TypeORM
MISCELLANEOUS | Amazon AWS • Recommendations • Collaborative filtering • ETL • Redis • Kafka • RabbitMQ • Azure • GCP • Apache • Nginx • Husky • Serverless • GraphQL • Terraform • CI/CD Pipelines • DigitalOcean
FRONTEND DEVELOPMENT | ReactJs • Redux • JavaScript • TypeScript • TailwindCSS • React Native • NextJs
SOFT SKILLS | Team player • Bias for action • Drive & Initiative • Problem Solving

EXPERIENCE

VOJA.AI | Node.Js, Python, Nest.Js, Docker, Kubernetes, AWS, Typescript
Backend Engineer | Sep 2023 - Apr 2024, Amsterdam, NL

Personalized AI recommendations with Users' Preferences
- Implemented a recommendation feature in Node.Js using users' perferences and incomplete missions to improve hotel recommendations on Voja.Ai
- Built an extensible 'filters' module to facilitate choice of items sorting

Complementary recommendations for Hardlines
- Ideated and developed a new algorithm using Collaborative Filtering to improve coverage of complementary recommendations for 300 million hotel reviews on Voja.Ai
- Implemented multiprocessing and LRU cache in Node.Js to solve scalability challenges
- Conducted A/B rests and used Bavesian inference to launch features on Voja
- Integrated Auth0 services into the backend, automating the retrieval and updating of user details, reducing onboarding efforts by 27%
- Contributed to an endpoint utilizing OpenAI service to fetch detailed place descriptions, top places, and public transportation information based on user search queries

Efficient data acquisition facilitated by python scripted processes
- Built a script in Python to fetch and social media data for over 12 million hotels. Scraped posts to validate authenticity of hotels
- Developed a script in Python to scrape and save top places (name, images, description) in over 2 million cities in the world

Proddly LLC. | Node.Js, Nest.Js, Typescript, PHP, Laravel, Kafka, AWS, GCP
Software Engineer | Jan 2020 - Aug 2023, Lagos, NG

E-commerce Analytics Platform Enhancement
- Implemented scalable data pipelines in Node.js, enabling efficient extraction, transformation, and loading (ETL) of large volumes of transactional data from diverse sources
- Utilized Apache Kafka for real-time data ingestion, ensuring timely updates and accurate insights for clients
- Developed automated data validation and cleansing scripts in Node.js, reducing manual intervention by 60% and improving data accuracy

Infrastructure Optimization and Automation
- Designed and implemented CI/CD pipelines using Jenkins and GitHub Actions to automate build, test, and deployment processes, resulting in a 50% reduction in release cycle time
- Utilized Terraform and Ansible for infrastructure as code (IaC) to provision and manage cloud resources on AWS, enhancing scalability and reliability
- Implemented serverless computing solutions using AWS Lambda and API Gateway to optimize resource utilization and reduce operational overhead
- Optimized backend services in PHP and Node.js for improved performance and responsiveness, reducing average response times by 40%

EDUCATION

OLABISI ONABANJO UNIVERSITY - OOU, NG
B.Sc. Computer Science

HONORS & AWARDS

HACKATHON MERIT AWARD | **GoMyCode** | For top 3 teams | 2019 | Lagos

DIRECTORS AWARD | **Hiit PLC** | For the outstanding intern in the bootcamp | 2019 | Lagos

CERTIFICATIONS

OpenJS Foundation Certification NodeJS Services Developer

HiiT PLC Engineering Certification Backend (NodeJS) Engineer

VOLUNTEERS

Devoteam
- Backend Engineer

INTERESTS

Traveling • Food • Self-improvement • Movies • Photography • Sky diving