

# JONATHAN ATIENE

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## Education

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De Montfort University. - MSc. Artificial Intelligence

University of Port Harcourt - BSc. Human Anatomy / Neuroscience

ALC 2018 (Mobile Web Specialist) - Node Js HTML , CSS , Javascript, Angular, Ionic, Nodejs React

Udacity SUSE cloud Native Scholarship (06/2021 - 07/2021) - Kubernetes Docker

## Projects:

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Karus ai : The AI Engine for Auto Finance Karus provides an AI-powered, end-to-end operating system for lending from origination through to portfolio & risk management for dealers, originators, and lenders.

Wearebarney : We help entrepreneurs buy and sell amazing agencies.

Cravekitchens : A platform for one order, endless possibilities.

TalentOn: A web app for discovering talent and how to identify it in employees, it includes managing talent, including assessments, training, and coaching.

iGarage: iGarage is a platform that empowers car owners to make informed decisions about car maintenance and helps garages grow their business by providing transparent pricing, convenient booking options, and efficient management tools.

## Work Experience

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### Hivescience AI

Oct 2024 - Present

Senior Full Stack AI Engineer

- Increased AI workflow throughput from ~20 runs/month to 60+ per week by automating and scaling multi-step ML pipelines on AWS.
- Designed and built a production-grade LLM agent harness with context management, tool orchestration, structured outputs, validation, and failure recovery.
- Developed end-to-end AI systems across Python, TypeScript, Node.js, Pydantic, Qdrant, AWS, and Terraform.
- Built serverless data and ML pipelines using AWS Glue and cloud-native services to automate enrichment, processing, and model workflows.
- Architected context-engineering and memory systems for agentic applications, improving retrieval quality and reliability across complex workflows.
- Shipped enterprise AI products from experimentation to production, translating research and product requirements into scalable customer-facing systems.

### TrendMind

Oct 2024 - Oct 2025

Lead Engineer Remote

- Engineered a multi-agent system with human-in-the-loop feedback using Python and Flask, enhancing brand strategy efficiency by 30% and improving outcome quality.
- Architected and deployed a scalable data pipeline for fine-tuning PyTorch Llama 3b models on domain-specific data via GCP Vertex AI, increasing model accuracy by 15%.
- Spearheaded the conceptualisation and design of an AI-powered content management platform, automating 40% of strategy planning tasks and delivering enhanced analytics accuracy by 20%.
- Engineered and integrated AI-driven content recommendations leveraging agentic systems and RAG, boosting user engagement by 25% and increasing content relevance.
- Streamlined strategy input workflows, reducing content planning time by 25% and improving system efficiency for resource-constrained environments.

### Code Rabbit

Aug 2023 - Nov 2023

Snr. Full Stack Engineer Remote (California, USA)

- Achieved 15% platform cost-efficiency improvement by optimising prompt templates and implementing a new algorithm for code review analysis, significantly reducing token usage and context requirements
- Streamlined code review configuration by transitioning from UI to YAML, significantly enhancing developer experience and enabling reproducible workflows.
- Expanded platform functionality by developing full-stack integrations with Jira and Linear.

## **Oaks Lab**

**July 2022 - Feb 2024**

### *Senior Full Stack Engineer*

- Led development for 5 diverse start-up projects, including spearheading the successful build-out of Crave Kitchen's platform.
- Led features on Crave's admin portal, optimising frontend architecture and APIs, which enhanced system efficiency and user experience.
- Elevated code quality and testing, boosting unit test coverage to 70%, significantly reducing post-deployment issues.
- Improved developer experience by leading rigorous code reviews, resulting in enhanced code standards across multiple projects.

## **Second Company**

**September 2021 - June 2023**

### *Full Stack Engineer*

- Led scalable front-end solutions for IGarage, leading the design and successful implementation of an advanced campaign notification system and a customer retention portal. Transformed IGarage's mobile presence by fixing issues on the React Native app, achieving seamless migration to native modules, which improved performance and user engagement.
- Re-engineered mobile app functionalities, including authentication and notifications, streamlining operations and user experience across 5 major releases on the App Store and Play Store.
- Engineered a sophisticated multi-tenant dashboard system, boosting operational efficiency and providing customised experiences for diverse client bases.
- Fostered a collaborative environment with product owners and UI designers, translating innovative ideas into practical, user-focused web application enhancements. Owned security and compliance features by integrating GDPR measures and advanced encryption algorithms, fortifying backend and database security.

## **Syws**

**April 2021 - October 2021**

### *Full Stack Developer (LabHead)*

**(Remote, Dallas Texas, USA)**

- Built and scaled Renapay's web app for small business banking using Vue Js:
- Maintained, monitored, and fixed core banking application handling external payment gateway integrations.
- Rebuilt and modernised the invoicing system for improved speed and user experience.
- Automated deployment of white-label apps to multiple customer servers through a custom CI/CD pipeline.
- Expanded functionality by adding new templates to the core, NodeJS, and Golang systems.

## **Engage**

**March 2021 - April 2022**

### *Full Stack Developer.*

**(Remote, Lagos, Nigeria)**

- Developed a drag-and-drop email template editor (Vue.js) and Node.js backend.
- Enhanced security with a robust two-factor authentication system and multi-role user access.
- Improved Fullstack SDK with pagination, logging, and UI design updates based on user feedback. Crafted fail-safe utility libraries to minimise runtime errors and optimise production stability.
- Implemented client-side logging and backend error alerts for efficient error tracking and resolution.
- Developed CI/CD for handling deployments to Google Cloud Functions.