

# Jamin Onuegbu

AI Engineer | Full Stack Engineer | Software Engineer

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## Professional Summary

Results-driven Full Stack and AI Engineer with 5+ years of experience building scalable, cloud-native platforms and Working with LLMs and Blockchain Technologies. Specializing in Python, Javascript, AI agent development, and ML Engineering, with a proven track record of optimizing fullstack systems, leading teams, and delivering production-ready solutions. Experienced in Agile methodologies, DevOps practices, and integrating AI models into real-world applications. Seeking to contribute to innovative teams building AI-powered, Web3 and Web2 products, I love building SaaS and cloud-native solutions using LLMs and serverless technologies.

## Technical Skills

**Languages & Frameworks:** Python, JavaScript, TypeScript, C#, Django, FastAPI, Flask, [Express.js](#), [Node.js](#), Pytorch, [Web3.js](#), Web3.Py

**Frontend:** React.js, Next.js, Tailwind CSS

**Cloud & DevOps:** Docker, Kubernetes, AWS, GCP, GitHub Actions, Jenkins, CI/CD, Linux

**Databases & Storage:** PostgreSQL, MySQL, MongoDB, Redis, SQLite, AWS S3

**AI & ML:** Large Language Models (LLMs), AI Agent Development, Natural Language Processing, DEEPSEEK, GEMINI

**APIs & Integration:** RESTful APIs, GraphQL, API Gateway, OAuth, Webhook Integration, Microservices Architecture

**Security & Testing:** OWASP Principles, JWT Authentication, Pytest, Test Automation, Security Best Practices

**Tools:** Git, Postman, Docker Compose, Trello, Notion, GitHub Projects, HuggingFace, OpenAI API

## Professional Experience

### Full-stack Engineer (Freelance)

Trackr — Remote, United States

March 2025 – April 2025

- Independently designed, developed, and deployed the MVP for Trackr.
- Built the entire product stack using FastAPI (Backend) and Next.js + Tailwind CSS (Frontend).
- Integrated Large Language Models (LLMs) to provide AI-enhanced functionality.
- Developed and managed background task processing with Celery and Redis for scalable asynchronous workloads.
- Implemented web scraping pipelines across 5+ websites, handling complex data extraction and normalization.
- Utilized MongoDB for efficient storage and retrieval of unstructured data.
- Orchestrated full deployment pipeline and ensured API robustness and frontend responsiveness.

## Senior Full Stack Developer

Okestra Global LLC — Remote, United States

March 2025 – May 2025

- Architected and deployed an AI-powered customer service automation platform, reducing response time by 60%.
- Engineered self-hosted N8N workflow infrastructure on Render, cutting operational costs by 25%.
- Led full-stack development of the company site using Next.js and Tailwind, improving engagement by 40%.
- Developed 5+ AI agents integrated with Slack and Google Workspace APIs for internal automation.
- Mentored junior developers and enforced agile best practices.

## Backend Engineer

Aurify AI — Remote, Nigeria

May 2024 – January 2025

- Built high-performance REST APIs using FastAPI, serving 10,000+ daily requests with 99.9% uptime.
- Integrated LLM-based summarization features reduce document processing time by 70%.
- Implemented secure JWT authentication and AWS S3 integration for cloud data handling.
- Developed PDF-to-text pipelines and database query optimizations for 40% faster processing.
- Deployed Dockerized microservices with CI/CD via GitHub Actions and Kubernetes.

## Backend Developer (Freelance)

Dowell Research Singapore — Remote, Singapore

February 2024 – April 2024

- Developed real-time media stream buffering with GStreamer and YouTube API integration.
- Improved data transmission protocol efficiency by 10%, reducing latency.
- Authored detailed API documentation and implemented monitoring solutions.
- Collaborated in Agile teams to deliver media-related services on schedule.

## Backend Developer

Plpfactory — Remote, Nigeria

January 2023 – January 2024

- Upgraded Django-based REST APIs, improving response time by 15%.
- Built a scalable e-commerce backend for digital products using PostgreSQL and AWS S3.
- Automated testing workflows with Pytest, reducing production bugs by 80%.
- Ensured seamless frontend-backend integration for optimal user experience.

## IT Specialist

JJ. WILLMIN NIG. LTD. — Nigeria

January 2021 – December 2022

- Automated company reporting workflows using Python, saving 30% in manual effort.
- Developed internal dashboards with MS Office + Google Sheets for real-time data visibility.
- Managed IT infrastructure and security for 50+ employees.

## Co-founder & Software Developer

Coderzwave — Nigeria

*April 2021 – December 2023*

- Built a tech education startup with a following of 7,000+ organic users.
- Delivered Python bootcamps and digital literacy training to 300+ participants.
- Led digital marketing, curriculum design, and community engagement.

## Key Projects

### LianFlow – Web3 Crypto Payment Gateway (Hackathon Project)

**Tech:** *FastAPI, Web3.py, Next.js, PostgreSQL, Microservices*

- Designed a secure, enterprise-grade payment system with JWT-based API Gateway.
- Optimized backend by 40% through efficient data modeling and Redis caching.
- Followed OWASP standards and crypto security best practices.

### AI Support Ticket Classification API

**Tech:** *Python, FastAPI, LLMs, Docker, HuggingFace, Pytest, Celery, Redis*

- Designed and built an AI support ticket classification API.
- Integrated LLM for ticket classification and ticket summarization.
- Integrated testing into the API with Pytest, added Integration Testing and Unit Testing
- Integrated Redis and Celery for Background Workers Functionality.

## Education

Domain Academy — *Foundational Diploma in Information Technology* - Malta, EU

Cisco Networking Academy — *Cybersecurity Specialization*

- Introduction to Cybersecurity
- Cybersecurity Essentials
- Cyber Threat Management

## Certifications

Python Programming Fundamentals — OpenWeaver (2023)

Machine Learning | Google for Developers Crash Course - In Progress

## Memberships

DSN AI+ (Data Scientist Network) — Active Member