

AKINBODE BAMIGBOYE

Senior Software Engineer | Backend / Full-Stack Engineer | RAG & Agentic AI Engineer

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PROFESSIONAL SUMMARY

Senior Software Engineer with experience building backend systems, automation platforms, SaaS applications, multi-tenant ERP workflows, and AI-assisted engineering systems. Strong background in Python/Django, Node.js, TypeScript, Next.js, PostgreSQL, Redis, Docker, cloud storage, CI/CD, and workflow automation. Currently leading GalaxySailors product engineering across ERP, tenant isolation, financial workflows, inventory/delivery operations, RAG-based knowledge workflows, prompt/context engineering, and agentic AI implementation planning.

TECHNICAL SKILLS

AI / LLM Engineering	RAG, agentic AI workflows, LLM orchestration, prompt engineering, context engineering, AI-assisted SDLC, codebase mapping, Ollama, OpenAI/Claude/Codex tooling
Backend & APIs	Node.js, Express.js, Python, Django, Django REST Framework, Flask, REST APIs, webhooks, authentication, RBAC, approval workflows
Frontend & Product	Next.js, React.js, TypeScript, Tailwind CSS, responsive/mobile-first UI, dashboards, admin portals
Databases & Data	PostgreSQL, MySQL, MongoDB, Redis, Prisma, TypeORM, Sequelize, SQLAlchemy, append-only ledgers, tenant-scoped data models
Cloud / DevOps	AWS, GCP, Azure, Cloudflare R2, S3, RDS, ECR, Docker, Docker Compose, PM2, CI/CD, GitHub Actions
Automation & Integrations	N8N, NocoDB, Google Drive API, SMTP/OAuth email, Plunk, Paystack, SMS APIs, web automation, Postman
Tools & Methods	Git, GitHub, GitLab, Linux/Ubuntu, Windows, asynchronous I/O, streams, event-driven programming, workers, queues

EXPERIENCE

GalaxySailors Limited | *Nigeria / Remote*

Senior Software Engineer | **March 2024 - Present**

Stack: Next.js | React | TypeScript | Node.js | Prisma | PostgreSQL | Redis | Docker | Cloudflare R2 | AWS | Google APIs | Paystack | RAG | Agentic AI | LLM Tooling

- Lead product engineering for a multi-tenant ERP SaaS platform for SMEs, covering sales orders, invoices, receipts, inventory, work orders, deliveries, expenses, petty cash, approvals, reporting, and customer-facing links.
- Designed tenant-scoped and member-scoped architecture patterns with RBAC, permission-aware workflows, approval safety, and operational auditability across finance, inventory, and fulfillment modules.
- Implemented financial and operational safeguards including append-only ledger thinking, partial payments, invoice/receipt history, stock movement controls, delivery confirmation, low-stock alerts, and approval-request routing.
- Built AI-assisted engineering workflows using CLAUDE.md/AGENTS.md-style context files, token-efficient implementation briefs, codebase mapping, visual QA instructions, and agent-ready task plans for large-project development.
- Applied RAG and agentic AI concepts to software planning, codebase understanding, prompt/context engineering, QA flows, documentation, and product research without relying on generic, ungrounded implementation instructions.
- Integrated product infrastructure and services including Cloudflare R2/S3-style object storage, Google Drive APIs, SMTP/OAuth email planning, Plunk-style messaging flows, Paystack payment workflows, webhooks, and cloud deployment paths.
- Led UI/UX refinements for mobile-first ERP usage, including improved select inputs, settings/team management flows, role customization, template-driven work orders, customer link workflows, and clearer operational dashboards.

Elite Software Automations | *Remote, United States*

Node.js Backend Engineer (Mid-Level) | **December 2023 - March 2024**

Stack: Express.js | Node.js | N8N | NocoDB | TypeScript | PostgreSQL | Postman | Redis

- Worked on automation-driven applications including a deployment tool that automated the release process from CI/CD through live deployment.
- Supported Balance My Hormone by automating prescription and delivery-management workflows for the client business.
- Created automation tasks and naming conventions for N8N workflows, improving maintainability and consistency across workflow nodes.
- Contributed to the N8N open-source ecosystem and collaborated on backend automation improvements.

Isura24 Investment Limited | *Freelance, Nigeria*

Full Stack Developer | **August 2024**

Stack: Next.js | Docker | Docker Compose | PostgreSQL | Postman | Redis | AWS | Google Drive API | Tailwind CSS | React.js

- Designed the company website and built a backend administrative tool for organizing files, listings, clients, and business records.
- Integrated AWS services including S3-style storage, RDS database hosting, and ECR/container management workflows.

- Built APIs for invoice creation, transaction management, and administrative business operations.

Serrial Realty Forte Limited | *Freelance, Nigeria*

Full Stack Developer | **September 2023**

Stack: Next.js | Docker | Docker Compose | PostgreSQL | Postman | Redis | AWS | Google Drive API | Tailwind CSS | React.js

- Designed a company website and backend admin tool for managing files, property listings, clients, and operational records.
- Integrated AWS infrastructure components including S3 buckets, RDS, and ECR for deployment and file-management workflows.
- Built invoicing and transaction-management APIs to support the company's internal administrative processes.

TrustedPartners (cyberMe Studios) | *Remote, Saudi Arabia*

Team Back-End Engineer Lead | **September 2021 - February 2023**

Stack: Django | Django REST Framework | Celery | Docker | Docker Compose | PostgreSQL | Postman | Redis

- Led backend engineers in developing BrandProtection and related cyber-intelligence features.
- Developed a social media dashboard that scraped public platforms for client keywords using Python async I/O patterns.
- Created a DnsTwist application to detect and report fraudulent clone websites impersonating clients.
- Built job-site scraping and takedown workflows across Joooble, Careerjet, LinkedIn, Bayt, Talent.com, and similar platforms.
- Developed mobile app search impersonation features to identify apps impersonating companies and support takedown requests.

TrustedPartners (cyberMe Studios) | *Remote, Saudi Arabia*

Team Back-End Engineer Lead | **December 2020 - August 2021**

Stack: Django | Django REST Framework | Celery | Docker | Docker Compose | PostgreSQL | Postman | Redis

- Developed and unit-tested backend endpoints for TFAP, later unveiled at Black Hat MEA 2023.
- Created a ransomware utility supporting file streaming functionality and related backend operations.
- Built CRUD methods across multiple internal applications and collaborated on deployments to staging and production servers.
- Reviewed pull requests, improved code quality, reduced bugs, documented codebases, and created onboarding guides for engineers.
- Integrated GitHub webhooks with Jenkins to automate code checkout and deployment-related workflows.

Araba Baptist Church | *Contract, Nigeria*

Full Stack Developer | **April 2021**

Stack: Next.js | Node.js | N8N | NocoDB | Docker | Docker Compose | PostgreSQL | Postman | Redis

- Developed a church administration web app supporting membership management, communication, welfare visitation, and administrative reporting.
- Integrated bulk SMS through NigeriaBulkSMS API and automated birthday, anniversary, event-reminder, and reporting workflows.
- Implemented membership signup, role relationships, visitation CRUD operations, member distribution mapping, and family-tree creation logic.

EDUCATION

Lead City University, Ibadan, Nigeria | **2023 - Present**

Postgraduate Diploma, Software Engineering

Shanghai Maritime University, Shanghai, China | **2014 - 2018**

Bachelor of Science, Logistics Management (Second Class Upper Division)

Regional Maritime University, Accra, Ghana | **2014 - 2018**

Bachelor of Science, Logistics Management (Second Class Upper Division)

CORE METHODOLOGIES

Asynchronous I/O | Streams | Event-Driven Programming | Data Structures | File Systems | Buffers | Worker Threads | Queues | REST API Design | Multi-Tenant Architecture | RBAC | Workflow Automation | Technical Documentation | AI Context Engineering