

# Babagana Abba

Fullstack Developer

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## Summary

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- Senior Full-Stack Developer specializing in AI-driven content platforms, distributed architectures, and performance-optimized web applications.
- Skilled in architecting and delivering end-to-end products that integrate modern frontend technologies, scalable backend systems, and AI capabilities including text-to-speech, natural language processing, and asynchronous processing pipelines.
- Demonstrated expertise in leading complex system development – from content creation and ingestion workflows to real-time user interfaces, AI-powered media generation, and globally scalable monetization – while collaborating seamlessly with distributed cross-functional teams.

## Skills

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**Programming Languages:** JavaScript (ES6+), TypeScript.

**Frontend:** React, React Native, Redux, Next.js, Material UI, TailwindCSS, Angular

**Backend:** Node.js, Express.js, NestJS, FastAPI, GraphQL, RESTful APIs, Kafka

**Database:** PostgreSQL, MySQL, MongoDB, Redis, Firebase

**DevOps:** Docker, AWS, GitHub Actions, CI/CD Pipelines

**Tools:** Git, Webpack, Figma, Postman, WebSockets, OAuth, JWT, Third Parties and Webhooks

**Other:** Agile/Scrum, Microservices, Code Review, Technical Documentation, System Design

## AI & Intelligent Systems

- Text-to-Speech (Amazon Polly, Google TTS, ElevenLabs)
- NLP Processing & Semantic Tokenization
- Asynchronous AI Job Pipelines (Bull / Redis)
- AI Cost Modeling & Credit-Based Billing
- Real-time AI Workflow Feedback (WebSockets)

## Experience

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### Fyxn - Remote, The Netherlands

Senior Software Engineer

Feb 2024-present

- Develop and maintain scalable applications using Next.js (SSR & SSG) and TypeScript.
- Design and implement AI-powered features using LLM APIs to automate workflows and enhance user productivity.
- Build and maintain APIs using Next.js API routes and GraphQL (Hasura).

- Design PostgreSQL schemas and manage data integrity using Prisma ORM and Hasura.
- Optimize frontend performance and improve user experience across devices.
- Collaborate in Agile/Scrum environments and contribute to architectural decisions.

### **Cobuyr - Remote, United Kingdom**

*Frontend Developer*

*Dec 2023 – Oct 2025*

- Built and maintained complex frontend features using Next.js and TypeScript.
- Developed scalable UI components and optimized performance for production-level applications.
- Integrated AI-powered functionality to enhance user interaction and intelligent recommendations.
- Worked closely with backend teams to integrate REST APIs.
- Implemented secure authentication flows and payment-related user interfaces.
- Contributed to architectural decisions and frontend best practices in a remote-first environment.

### **Harmonic Guild - Remote, USA**

*Full Stack Developer*

*Jun 2023 - Feb 2025*

- Developed user-friendly Web3 interfaces for decentralized applications (DApps).
- Integrated smart contracts and blockchain networks into frontend applications.
- Implemented wallet integrations for secure blockchain transactions.
- Ensured cross-browser compatibility and frontend scalability.
- Collaborated with blockchain engineers and designers in distributed teams.

### **Platr Nigeria - Remote, Nigeria**

*Full Stack Developer*

*Oct 2020 - Aug 2024*

- Designed and developed user interfaces and backend integrations.
- Ensured cross-browser compatibility and performance optimization.
- Integrated frontend applications with backend APIs and databases.
- Collaborated with UX designers to deliver intuitive user experiences.

### **Comsoft Limited - Onsite, Nigeria**

*Full Stack Developer*

*Jul 2019 – Dec 2019*

- Implemented frontend logic and UI/UX designs.
- Refactored legacy code to improve efficiency and maintainability.

## **Education**

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Ahmadu Bello University, Zaria, Nigeria  
Bachelor's degree in Computer Science

## Projects

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<https://flypeejay.com>

A multi-layer service connecting private jet owners with customers seeking flexible global flights.

<https://farmeasy.io>

A platform empowering African farmers with accessible digital tools and services.

<https://cobuyr.com>

A platform enabling multiple users to split payments for online purchases.