

utibeabasi@kpenyong@gmail.com

<https://github.com/yhtiee>

<https://ut-software-engineer.vercel.app/>

Profile Summary

Experienced software engineer specializing in full-stack development with a focus on building scalable, high-performance web applications. Proven track record in engineering leadership, system architecture, and delivering complex solutions using modern technologies like Next.js, Nest.js, and Cloud Infrastructure. Passionate about clean code, automation, and solving real-world problems.

Technical Skills

- TypeScript
- React.js
- Redux
- Shadcn UI
- Django
- MongoDB
- AWS
- JavaScript
- Next.js
- Vue.js
- Node.js
- Flask
- Redis
- Docker
- Python
- Tailwind CSS
- Vite
- Nest.js
- PostgresSQL
- Selenium
- Digital Ocean
- HTM/CSS
- Framer Motion
- Material UI
- Express
- MySQL
- Playwright
- CI/CD

Work Experience

Fullstack Developer & Engineering Lead

2025 - Present

HomeGrid (Texas, USA)

- Lead a team of 3 developers to build a healthcare PWA, streamlining operations for medical facilities by automating shift management.
- Architected a secure document vault using Nest.js and Supabase, ensuring HIPAA compliance for sensitive patient records.
- Engineered AI-driven scheduling algorithms, reducing manual administrative workload by generating optimized employee shifts.
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Engineering Lead

2024 - 2025

CVtoCareer (Sydney, Australia)

- Spearhead the migration from a monolithic architecture to micro-frontends, improving deployment frequency and code modularity.
- Scale job automation engines to process high-volume applications on LinkedIn and Indeed by optimizing Python web scrapers.
- Integrate generative AI features using the Gemini API, increasing user engagement by providing instant resume enhancements.
- Manage the full-stack deployment pipeline on Vercel, ensuring 99.9% uptime for career development tools.

Web Scrapping & Automation Engineer

2023 - 2024

CVtoCareer (Sydney, Australia)

- Deployed over 7+ automation engines, to automate job application for clients on major job listing sites
- Integrate question extraction and answering feature using AI, which increased job application speed time by 20% and increased the successful application rate by 50%
- Automated the aggregation of 50,000+ weekly job postings from major platforms by engineering robust web scrapers using Selenium and Puppeteer.
- Reduced data processing latency by 40% through the implementation of asynchronous scraping pipelines with Python and Playwright, managed via Redis message brokers.
- Deployed scalable scraping infrastructure on Digital Ocean using Docker containers, ensuring 99.9% system availability during peak data collection windows.
- Developed high-performance REST APIs using Flask to serve aggregated job market data, achieving sub-200 ms response times for client applications.

Backend Engineer

2023 - 2024

Spurt (Delaware, USA)

- Engineered a centralized SSO system using Python and Flask, unifying user access across the SpurtX ecosystem.
- Implemented Stripe subscription billing, enabling automated revenue collection and flexible payment tiers.
- Migrated legacy PHP backend services to Nest.js, improving API response times and system scalability.
- Designed complex PostgreSQL database schemas to support multi-tenant project management workflows.

Frontend Engineer

2023 - 2025

Zedi Inc (Lagos, Nigeria)

- Built responsive marketing websites for clients like Arcpenter and Truq using Next.js, enhancing brand visibility and SEO rankings.
- Integrated Strapi Headless CMS, empowering non-technical teams to manage content updates without engineering support.
- Developed real-time collaboration features for the Scrollz platform, utilizing React Query for seamless data synchronization.
- Implemented complex UI animations with Framer Motion, delivering a polished and interactive user experience.

Backend Engineer

2021 - 2022

Trusted Partners (Riyadh, Saudi Arabia)

- Developed scalable RESTful APIs using Django and Flask, supporting high-traffic web applications.
- Optimized database performance through query analysis in PostgreSQL, ensuring efficient data retrieval for client systems.
- Implemented automated testing suites using Jest, reducing production defects and ensuring code reliability.

Full Stack Developer & Tutor

2020 - 2022

The Roothub (Uyo, Nigeria)

- Mentored 50+ students to professional proficiency by designing and delivering a comprehensive full-stack JavaScript & Python curriculum.
- Developed the internal Learning Management System using React to help and support HR manual processes

Education

Bachelor of Engineering

2017 - 2022

Computer Engineering (University of Uyo, Nigeria)