

NWACHUKWU AKACHI

SOFTWARE ENGINEER

PROFESSIONAL SUMMARY

Innovative Software and AI Developer with expertise in building scalable, intelligent systems. Skilled in modern frameworks, vector databases, and AI-driven solutions, combining mathematical precision with cutting-edge technology to deliver impactful digital products.

CONTACT

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[Linkendin Profile ↗](#)

[Portfolio ↗](#)

WORK EXPERIENCE

Software Engineer | April 2024 - Present

SurestPay Inc.

- Streamlined integration of financial APIs, cutting onboarding time for partner banks and vendors by 40%.
- Collaborated with cross-functional teams to ensure compliance, scalability, and long-term sustainability of payment systems.
- Designed and implemented a real-time transaction monitoring dashboard with advanced analytics, improving visibility and boosting operational efficiency by 30%.

Frontend Developer | June 2023 - Feb. 2024

Calm Global Information Technology

- Translated design mockups and product requirements into interactive, high-performing features that enhanced overall user experience.
- Improved frontend performance and loading times by 20%, contributing to higher customer engagement and satisfaction.
- Contributed to diverse projects across healthcare platforms, government solutions, and cultural initiatives, tailoring interfaces to meet industry-specific needs and compliance requirements.

EDUCATION

Nnamdi Azikwe University

Bachelor of Science in Computer Science

- GPA: 4.1
- Software Head, NACOS
- Academic & Technical Guidance Award

African Leadership X

Software Engineering

- Completed intensive 12–18 month program
- covering full-stack development, algorithms, system design, and collaborative software projects.

KEY SKILLS

- AI/ML: Machine Learning, NLP, Generative AI, Retrieval-Augmented Generation (RAG).
- Frameworks: PyTorch, TensorFlow, LangChain, Hugging Face, React, Expressjs, LangGraph.
- Tools: OpenAI API, SQL, MongoDB, Git, Docker, AWS, Microsoft Azure, Vector databases .

CERTIFICATION

African Leadership X

Software Engineering (certificate of completion)

Andela Technical Training

Frontend development(certificate of completion)

PROJECTS

100minds [Website](#)

100Minds is an AI-powered, practice-based leadership and power skills training platform designed for the people who keep businesses running. I built the core AI technology, including an intelligent agent, a voice-enabled tutor that teaches students, and an interactive AI avatar for immersive learning. These features enable personalized learning paths, real-time feedback, and engaging course delivery, making 100Minds a next-generation platform for workforce development.

- Built the core AI technology, including an intelligent agent, voice-enabled tutor, and interactive AI avatar to deliver immersive learning experiences.
- Designed and implemented personalized learning paths with real-time feedback, enhancing user engagement and knowledge retention.
- Integrated speech-to-text, text-to-speech, and RAG pipelines for adaptive, context-aware learning interactions.
- Collaborated with cross-functional teams to align AI features with curriculum goals, ensuring scalability and next-generation learning delivery.

StudyNex AI [Visit Website](#)

StudyNex is AI-powered learning assistant that teaches students based on the context of materials they provide. Built using LangChain, NestJS, and Next.js, the platform offers personalized tutoring, interactive quizzes, and voice-enabled learning via LiveKit integration. Designed and developed the end-to-end system, including subscription model setup and scalable backend infrastructure.

- Designed and developed the end-to-end platform using LangChain, NestJS, and Next.js, delivering personalized tutoring and interactive learning experiences.
- Built scalable backend infrastructure and implemented a subscription-based model for seamless user onboarding and access management.
- Developed context-aware AI tutoring features that analyze user-provided materials to deliver adaptive responses.
- Integrated LiveKit for voice-enabled learning, enabling real-time, immersive student interactions.

LEADERSHIP & AWARDS

- Software Head – NACOS (National Association of Computer Science Students) – Led student projects, coding workshops, and peer mentorship.
- Best Mentor Award – Recognized for outstanding mentorship in academic and technical projects.
- Research Recognition – Awarded for extended research paper contribution in computer science.

SOFT SKILLS

- Teamwork and collaboration.
- Active listening.
- Creative problem solving.
- Communication

COMMUNITY SERVICE

- [Novu Open Source](#)