

RANA MUHAMMAD AREEB

FULL-STACK PRODUCT ENGINEER | NEXT.JS, TYPESCRIPT, NODE.JS & AI SAAS

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Open to worldwide remote contractor and employer-of-record roles | UTC+5

PROFESSIONAL SUMMARY

Full-stack product engineer with 3+ years of experience building and operating production SaaS, EdTech, AI and e-commerce products for international teams. Owns delivery from architecture and UX through APIs, payments, security, deployment and production support. Strong in Next.js, React, TypeScript, Node.js, MongoDB and Python; experienced with Docker, DigitalOcean, Vercel, AWS S3, Stripe, Generative AI integrations, Jira and secure database access.

PROFESSIONAL EXPERIENCE

FULL-STACK PRODUCT ENGINEER - INDEPENDENT CONTRACTS | 2022 - PRESENT

Remote | U.S.-based EdTech, AI, SaaS and commercial clients

- Lead end-to-end development of multiple live products, including GroupXam, NeuroNovels, EFG Games and Konduct Coach Learning workflows, supporting approximately 835 platform users.
- Architect and ship responsive Next.js, React and TypeScript applications with Node.js and MongoDB, including RBAC, educator/student dashboards, assessment workflows, analytics and content-management features.
- Integrate Stripe Checkout and subscription flows, OpenAI and X APIs, AWS S3 uploads, secure authentication and third-party services; manage Jira delivery, Git workflows, CI/CD and production debugging.
- Deploy and maintain applications across Vercel, DigitalOcean and Docker-based environments, applying database access controls, secrets management and security-minded API practices.
- Built an X API automation platform used in a cryptocurrency campaign that reached a \$350K peak market capitalization, while clearly separating engineering delivery from market performance.

SELECTED PRODUCT & TECHNICAL IMPACT

- **GroupXam** - Built an educational assessment platform from scratch with exam creation, distribution, auto-grading, role-based access control and real-time performance analytics.
- **NeuroNovels** - Architected an AI co-writing SaaS with streamed LLM responses and MongoDB-based storage for branching plots, chapters and user-generated story structures.
- **FASSD Deepfake Audio Detection** - Co-trained a Python deep-learning model that achieved 86% evaluation accuracy; containerized the backend with Docker on DigitalOcean and connected it to a Next.js frontend deployed on Vercel.
- **Konduct Coach Learning / TutorAnt** - Delivered scheduling and tutor/student dashboard interfaces, ratings and reviews, Stripe payments and AWS S3-based file uploads for a U.S. learning platform.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, HTML5, CSS3

Frontend: React, Next.js, Angular, Tailwind CSS, GSAP, responsive UI

Backend & Data: Node.js, REST APIs, MongoDB, authentication, RBAC, database security

AI / ML: deep-learning model training, audio classification, Generative AI and LLM integrations

Cloud & DevOps: Docker, DigitalOcean, Vercel, AWS S3, Git, GitHub, CI/CD

Tools & Platforms: Jira, Stripe, OpenAI API, X API, headless CMS

Security: cybersecurity fundamentals, data protection, access control, secure secrets and API practices

EDUCATION

B.S. COMPUTER SCIENCE - INSTITUTE OF SPACE TECHNOLOGY | 2022 - 2026

Focus: machine learning, information security, databases and full-stack software engineering | Final-year project: FASSD forensic audio detection system