

ABIDIT SHRESTHA

Senior Product Engineer — AI/LLM Integration — Remote (UTC+5:45)

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SUMMARY

Senior Product Engineer with 4+ years building production AI-powered features on a B2B SaaS platform used by 1.5M+ learners across 40+ global institutions. Shipped an LLM-based hint and code-explanation system on GPT-4o, owning prompt architecture, hallucination mitigation, and output reliability at scale. Strong full-stack foundation (React, Next.js, TypeScript, Node.js) paired with hands-on experience integrating foundation models into real user-facing products. Left Programiz in May 2026; now seeking a senior remote role applying LLM integration and product engineering together. No visa sponsorship required for remote or contract roles.

EXPERIENCE

Senior Product Engineer — Programiz

Jan 2022 – May 2026

- Designed and shipped SensAI, an AI-powered hint and code-explanation system using gpt-4o and gpt-4o-mini — owned the full UI → API → AI backend flow, prompt architecture, and output contracts; reduced challenge drop-offs and became a core platform differentiator for 1.5M+ learners.
- Engineered hallucination mitigation for a production LLM feature serving first-time programmers — built fallback suppression that withheld responses below a confidence threshold rather than risk an incorrect hint, and designed prompt constraints that scoped model output to verified, safe explanations.
- Built the request pipeline for AI hint delivery with streaming responses, optimizing for perceived latency so progressive output felt near-instant despite real model inference time.
- Identified and fixed a critical user drop-off by analysing a year of BigQuery cohort data to pinpoint abandonment on quiz and challenge pages; led a 3-person cross-functional team to redesign the flow in 8 weeks.
- Co-owned the Guided Projects ecosystem — led user discovery across Discord, email, and US professors; translated insights directly into shipped features that shifted platform positioning toward hands-on, AI-assisted learning.
- Frontend owner for B2B Pro Teams, an institutional product adopted by 40+ organisations globally including US-based universities; owned architecture, delivery, and stakeholder communication end-to-end.
- Built an interactive code-execution and visualization platform (Stack, Queue, Knapsack, Coin Change) used in academic settings globally; delivered MVP in under 2 months.
- Introduced Cypress E2E testing and a shared Storybook component system across repositories, reducing regressions and improving developer velocity in a fast-shipping environment.

Associate Software Engineer — Creatu Devs

Dec 2021 – Jan 2022

- Built a fully responsive React e-commerce interface for GuitarShop Nepal with cross-device compatibility and optimized UX.

INDEPENDENT PROJECTS

- **EduShip (eduship.dev)** — Built a production-ready Next.js EdTech SaaS boilerplate — auth, payments, automated delivery — exploring open-source distribution after direct sales validation.
- **SpectaSnap (spectasnap-orphin.vercel.app)** — Designed B2B SaaS positioning and built a real-time AR web app using MediaPipe Face Mesh at 30fps in-browser. React, TypeScript, Canvas API.
- **NomadWifi (nomadwi.vercel.app)** — Ran beta tester interviews to validate demand, then built a full-stack crowdsourced WiFi map with Supabase backend and RLS security.

SKILLS

AI / LLM: GPT-4o & GPT-4o-mini Integration, Prompt Engineering, Prompt Architecture, Hallucination Mitigation, Output Contracts, RAG Concepts, LLM Workflows, Streaming Responses

Engineering: React, Next.js, TypeScript, JavaScript (ES6+), Node.js, Python, PostgreSQL, Supabase, REST APIs, Cypress

Product: User Discovery, A/B Experimentation, BigQuery, Product Analytics, Cohort Analysis

Tools: Git, Vercel, GitHub Actions, Figma, Cursor, Claude Code, Storybook, Agile

EDUCATION

BSc (Hons) Computing — Softwarica College of IT and E-commerce (Coventry University)

2018 – 2021