

NABEEL MANJHOTI

Full-Stack Developer (Spec-Driven) | Next.js, TypeScript, Python, AI Integration

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PROFESSIONAL SUMMARY

Full-Stack Developer with 2+ years of experience building custom web applications, SaaS products, and AI-integrated tools using Next.js, TypeScript, Python, and the OpenAI Agents SDK. Uses a spec-driven development approach, writing detailed specifications before implementation to ensure predictable delivery. Delivered 6+ production projects spanning AI content tools, multilingual assistants, subscription platforms, and business websites, with weekly client updates, live demos, and full documentation.

TECHNICAL SKILLS

Frontend: Next.js, React, TypeScript, Tailwind CSS, Framer Motion

Backend: Python, FastAPI, Node.js, REST APIs, PostgreSQL

AI & ML: OpenAI Agents SDK, GPT-4o, LangChain, Embeddings, RAG (Retrieval-Augmented Generation), Gemini AI

Tools & Platforms: Git, Docker, Prisma, Stripe, Vercel, Supabase, Neon DB, NextAuth

PROJECT EXPERIENCE

AI Content Repurposer

Personal Project

Full-stack AI SaaS tool that transforms content into multiple formats for social and email publishing.

- Built a tool converting single input content into X posts, LinkedIn posts, Instagram captions, email newsletters, and SEO meta descriptions.
- Integrated OpenAI GPT-4o Mini to support output generation in English, Roman Urdu, and Mixed language modes.
- Used Supabase for data storage and authentication in a Next.js/TypeScript application.

Tech Stack: Next.js, TypeScript, Supabase, OpenAI

Jani — Karachi ka Asli Dost

Personal Project

Hyper-local AI guide chatbot for the city of Karachi.

- Developed a conversational AI assistant that communicates in Roman Urdu and provides hyper-local recommendations for food spots, traffic shortcuts, and cultural landmarks.
- Implemented authentication with NextAuth and persisted data using Neon DB (serverless PostgreSQL).
- Integrated Gemini AI for natural language understanding and response generation.

Tech Stack: Next.js, Gemini AI, Neon DB, NextAuth

Eclipse — Full-Stack To-Do App

Personal Project

Progressive 3-phase build from a CLI tool to a production-grade AI-powered web app.

- Evolved the application across three phases: a Python CLI tool, then a full-stack web app, then a production-grade Next.js 16 + FastAPI system with AI integration.
- Designed and implemented a PostgreSQL data layer and REST API with FastAPI.
- Added OpenAI-powered features to enhance task management workflows.

Tech Stack: Next.js, FastAPI, PostgreSQL, OpenAI

GIAIC Robotix Book

Personal Project

Interactive technical book/documentation site on Physical AI and Humanoid Robotics.

- Authored and built an interactive Docusaurus site covering kinematics, perception, control systems, and humanoid robotics fundamentals.
- Structured long-form technical content using MDX for interactive, component-based documentation.

Tech Stack: Docusaurus, React, TypeScript, MDX

Zaiqa Kitchen — Restaurant Website Template

Client / Demo Project

- Built a responsive restaurant website template with menu management, an image gallery, and WhatsApp-based ordering.

Tech Stack: Next.js, TypeScript, Tailwind CSS, Framer Motion

Izyaan Enterprises — Pallet Services

Client Project

- Delivered a business website for a pallet sales, purchase, and repair company, including a product showcase, WhatsApp integration, and an embedded Google Maps location.

Tech Stack: Next.js, TypeScript, Tailwind CSS

Salaar Pallet Solutions — Wooden & Plastic Pallets Supplier

Client Project

- Built a business website for a Karachi-based wooden and plastic pallet supplier, showcasing the product catalog and enabling direct customer inquiries.

Tech Stack: Next.js, TypeScript, Tailwind CSS

FREELANCE SERVICES

- Full-Stack Web Applications: custom admin panels, data dashboards, internal business tools, and API development.
- AI-Powered Solutions: AI chatbots and assistants, process automation, smart search/RAG systems, and content generation tools.
- SaaS Products: multi-tenant architecture, subscription management, Stripe payment integration, and customer portals.

Active on Upwork and Fiverr delivering client projects end-to-end, from specification through deployment.

WORKING APPROACH

- Spec-first development: every project begins with a detailed specification covering features, user flows, and technical requirements, approved by the client before coding starts.
- Transparent, iterative delivery with weekly client updates, a live demo link, and complete documentation for every project.