ASHUTOSH SHARMA

FULL STACK DEVELOPER | AI PRODUCT ENGINEERING

Mr.luckysharma7@gmail.com . +91 7877997498 . Udaipur, Rajasthan, India . Linkedin . Github . Portfolio

PROFESSIONAL SUMMARY

Full Stack & AI Product Engineer with 2 years of experience building production software for B2B and enterprise clients. Owns features end to end across Next.js and TypeScript frontends, Python (FastAPI) services, and MongoDB, with hands-on experience integrating LLMs into real business workflows. Known for turning ambiguous business requirements into maintainable, reusable systems, and for taking work from design through deployment.

PROFESSIONAL EXPERIENCE

Software Developer **9ai (Sep 2024 - Present)**

Started as an intern and moved to a full-time developer role. Work spans an AI-native industrial platform, internal automation, and client SaaS delivery.

- Own full-stack modules end to end for an AI-powered B2B platform serving manufacturers, building the Next.js and TypeScript interfaces, the FastAPI services behind them, and the business logic that connects the two, from requirements through production.
- Designed the core structure of a data-heavy module so it stays maintainable as requirements grow, using reusable abstractions in place of one-off logic, which lets new variations be added without reworking existing code.
- Built and integrated a wide range of production features across the platform, including mailbox ingestion, third-party data feeds, rule-driven calculations, and LLM tool calling over structured JSON, Excel and PDF data, each with validation and error handling. Set up CI/CD pipelines and deployed a self-hosted MongoDB server on AWS with scheduled backups.
- Delivered client-facing frontends and workflow systems for enterprise SaaS projects, including a multi-step configurable form engine and flexible UI components that render differently shaped structured data without per-schema rebuilds.
- Developed internal tooling and web properties: a Slack-integrated automation service in FastAPI, a Next.js company website with SSR and content integrations, and an interactive map-based editor with complex real-time state management.

Full Stack Developer Intern **Focus Realm (Jun 2023 - Dec 2023)**

- Built a real-time AI chatbot integrating the OpenAI API, WebSockets, Node.js, and Supabase for continuous conversational workflows, while leading dynamic, API-driven React.js UI development, Hostinger deployment, and Git/GitHub version control.

PROJECTS

QuizFlow | AI PDF-to-Quiz Platform (Next.js, TypeScript, FastAPI, MongoDB, Redis, Gemini API, Docker) Link Github

- Built a full-stack platform that turns uploaded PDFs into multiple-choice questions, flashcards and short-answer quizzes using chunked document retrieval and structured Gemini output.
- Designed an atomic credit system in MongoDB to prevent double spending under concurrent requests, with a bring-your-own-API-key mode that encrypts keys at rest.
- Added Redis caching to avoid repeat LLM calls, plus JWT authentication, password hashing and rate limiting.

Socialite | Social Media Application (React.js, Firebase, Tailwind CSS , Docker) Link Github

- Built a responsive social platform where users post, like, comment and reply, with follow-based feeds.
- Implemented authentication, real-time feeds and user profiles on Firestore.

TECHNICAL SKILLS

Language: TypeScript, JavaScript (ES6+), Python, HTML5, CSS3

Frontend: React, Next.js (App Router, SSR), Tailwind CSS, State Management (TanStack Query, Redux Toolkit), Forms and Validation (Formik, Yup), Motion, Component Architecture, Performance Optimization, Accessibility

Backend & APIs: FastAPI, Node.js (Express.js), RESTful API Design, Authentication (JWT), Rate Limiting, WebSockets, Third-party Integrations (Webhooks)

AI: LLM Integration, Function Calling & Structured Outputs, RAG, GraphRAG (Neo4j), Vector Databases, Embeddings & Semantic Search, Prompt Engineering, Document AI, LangChain, LangGraph

Databases & DevOps: MongoDB (self-hosted deployment, backups), Redis, Firebase, AWS, Docker, CI/CD Pipelines, Turborepo, Monorepo, Git, GitHub, Vercel

EDUCATION

(2021 - 2025)

College of Technology and Engineering, Udaipur

B.Tech - Artificial Intelligence and Data Science Engineering