

SHASHANK PANDEY

BLOCKCHAIN · AI AGENTS · FULL STACK

CONTACT

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SKILLS

AI & AGENTS

LangChain · LangGraph · AutoGen CrewAI · OpenAI API · Anthropic API Sarvam API · Python

BLOCKCHAIN

Solana · Ethereum · Polygon Solidity · Rust / Anchor Smart Contracts · DeFi · NFT

FRONTEND

Next.js · React.js · Redux TypeScript · Tailwind CSS GraphQL · Three.js · WebSocket

BACKEND

NestJS · Node.js · Express.js Microservices · Kafka · NATs Docker · Redis · AWS EC2/S3 · Nginx

DATABASE

PostgreSQL · MongoDB

TOOLS & PROCESS

Git · Agile / Scrum · CI/CD

EDUCATION

Lovely Professional University

B.Tech — Automobile Engineering
CGPA: 9.0 · Jalandhar, PB

Army Public School, Kanpur

Higher Secondary · CBSE PCM
93% Score

PROFESSIONAL SUMMARY

Full-stack engineer with **6 years of experience** building production-grade **blockchain applications, AI agent systems**, and scalable web platforms. Deep expertise in the **Solana, Ethereum, and Polygon** ecosystems — including smart contract development in Solidity and Rust — combined with hands-on experience architecting autonomous AI agents using **LangChain, LangGraph, AutoGen, CrewAI**, and **OpenAI, Anthropic, and Sarvam APIs**. Proven track record of leading cross-functional teams, designing microservices architectures, and shipping end-to-end products in fast-moving startup environments.

EXPERIENCE

Full Stack Blockchain Developer

JewelInme · Mohali, India · Mar 2024 – Oct 2025

- Architected and delivered the complete backend infrastructure for a blockchain-integrated jewellery e-commerce platform — spanning product/style management, inventory systems, and end-to-end order delivery workflows.
- Integrated Solana smart contracts for on-chain product provenance verification and decentralized payment processing, enabling trustless jewellery ownership certification.
- Built RESTful and GraphQL APIs with NestJS using microservices architecture, leveraging Kafka and NATS for scalable, asynchronous service communication.
- Implemented AI-powered product recommendation and customer engagement workflows using LangChain and OpenAI API, significantly enhancing platform personalization.
- Mentored junior developers in blockchain best practices and agile workflows; led end-to-end system testing and validation to ensure platform reliability and uptime.

Tech Lead

Vtopia · Bangalore, India · May 2023 – Jan 2024

- Led cross-functional teams (frontend, backend, design) through the full product lifecycle for a Web3 startup — from architecture and development through to launch.
- Designed and delivered full-stack solutions integrating blockchain wallet connections, smart contract interactions, and DeFi protocol integrations on Ethereum and Polygon.
- Built multi-agent AI pipelines using LangChain, AutoGen, and CrewAI to automate content generation, user onboarding, and intelligent workflow orchestration.
- Navigated the complete startup journey from build to exit, gaining deep experience in engineering leadership, team building, product strategy, and business development.
- Established engineering standards, agile sprint processes, and code review workflows that meaningfully improved team velocity and code quality.

Software Developer

Chaincode Consulting · Remote, India · Jul 2022 – May 2023

- Enhanced frontend performance through animation optimization, WebSocket-driven real-time features, webhook integrations, and site-wide lazy-loading optimizations.
- Designed and deployed scalable microservices using NestJS and Docker on AWS EC2 with Nginx as a reverse proxy for load balancing, SSL termination, and high-availability hosting.
- Implemented Redis caching strategies and PostgreSQL/MongoDB synchronization pipelines, improving data access speeds and system throughput.
- Integrated Anthropic and OpenAI APIs to deliver AI-assisted data processing and intelligent automation features, adding significant value to the product suite.

Software Engineer

Rapid Innovation · Remote, India · Apr 2021 – Apr 2022

- Built immersive 3D web experiences using React Three Fiber and Cannon.js physics engine for interactive product visualizations.
- Implemented blockchain smart contract integrations and Web3 wallet connections (MetaMask, Phantom) for NFT marketplace and DeFi platform features.
- Developed data-rich real-time dashboards integrating REST APIs and GraphQL with React Query, Highcharts, and ChartJS.
- Built AI agent workflows using LangGraph for automated research pipelines; developed voice-enabled multilingual applications for the Indian market using Sarvam API for audio processing.

Freelance Developer

Upwork · Remote · Jul 2020 – Feb 2021

- Collaborated with international clients across diverse industries to analyze requirements and deliver custom web applications using ReactJS and Node.js.
- Consistently met project timelines and quality standards, developing strong client communication, adaptable product development, and end-to-end delivery skills.