

Manpreet Singh

FULL-STACK DEVELOPER
BACKEND & AI SPECIALIST

Full Stack Developer with over 5+ years of experience specializing in scalable backend architectures and AI-powered platforms. Proven ability to build production-ready digital products utilizing real-time data pipelines, RAG systems, and cloud-native infrastructure.



REACH ME

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Education

B.Sc. IT

Punjab Tech. University

2011-2014

Diploma in Computer Applications

Vinayaka Mission University

2010-2011

Skills

Next.js, Node.js, TS, Python

Generative AI & RAG

AWS, GCP, Docker

PostgreSQL, Prisma

Websocket

Work Experience

May 2023 – Present

Full Stack Developer

Audio Design Desk (US) & Freelance (India)

- Integrated OpenAI, Claude, and Gemini APIs with Node.js backends. Built RAG pipelines.
- Delivered low-latency apps supporting 1M+ concurrent users using WebSockets, and AWS Lambda.
- Engineered automated pipelines for podcast generation, AI image processing, and document-to-speech workflows.

Feb 2021 – April 2023

React Developer

Insonix – Enterprise Unleashed

- Integrated Microsoft Exchange with HubSpot CMS utilizing Zapier, Node.js, React.js, and PowerShell.
- Developed a custom Order Management application for restaurant clients.
- Built an immutable examination results system leveraging React.js and Solidity smart contracts.

Key Highlight

AI Impact Projects

- Summarizer.com: Architected backend for multi-threaded document processing.
- Talktoo.ai: Built a scalable AI agent platform with token streaming.
- MyPrompty: Prompt management and AI model comparison tool supporting Claude, OpenAI, Mistral, and others. Built full-stack solution with prompt libraries, intent-to-prompt generation, and team collaboration.