Mohit Singh

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Full Stack Developer (MERN + fastAPI) | Building Scalable Products | AI agents/LangGraph + Automation Enthusiast | Seeking Full Time

PROFESSIONAL EXPERIENCE

3FAT (Intern)   **Jan 2025 - Current**
Software Engineer

- Significantly enhanced chatbot capabilities by implementing advanced features such as roles and **Retrieval-Augmented Generation (RAG)**, which successfully led to a **75% user retention rate** within the first month of deployment.
- Efficiently **ported** an internal **NodeJS server to FastAPI**, which resulted in an approximate **20% reduction in response time**, thereby improving overall system performance.
- Expertly **deployed Kubernetes clusters using Helm Charts**, ensuring a robust infrastructure with a maintained uptime of 100%.
- Effectively **collaborated** with cross-functional teams comprising over ten members, contributing to the delivery of high-quality software solutions that met organizational standards and client expectations.

Accioibis (Intern)   **July 2024 - Sep 2024**
Frontend Developer

- Independently spearheaded the development of the front-end for the **Minimum Viable Product (MVP) using Next.js** (ReactJS), ensuring its successful and timely launch.
- Strategically **applied on-page SEO best practices**, significantly enhancing the MVP's initial online visibility and search engine ranking.
- Seamlessly **integrated Google Analytics** for comprehensive user behavior tracking and incorporated the **Stripe payment gateway** to facilitate secure and efficient transaction processing.
- Expertly implemented animations and loading screens, ensuring that all pages are seamless, fully responsive, and deliver an exceptional user experience across devices.

SKILLS

- **Languages:** JavaScript, TypeScript, Python, Kotlin, Java, Bash
- **Frontend:** React.js, Next.js, Jetpack Compose, Redux, Vite, TailwindCSS, Zustand, SCSS, Tanstack Query, Optimistic Rendering
- **Backend & Databases:** Node.js, Express.js, FastAPI, MongoDB, PostgreSQL, MySQL, Prisma, Redis
- **DevOps & Cloud:** Docker, Kubernetes, Helm, Jenkins, AWS (EC2, S3), GCP (GCR), Nginx, GitHub Actions
- **Tools & Platforms:** Git, GitHub, Postman, Vercel, Netlify, n8n, Jira, Notion, Sandboxie
- **Soft Skills:** Problem Solving, Collaboration, Fast Execution, Agile Development

EDUCATION

Indian Institute of Information Technology (IIIT), Sonepat   **Nov 2022- May 2026**
Bachelor's of Technology in Computer Science

PROJECTS

Picstone: Image to Story Generator

- Developed an interactive storytelling platform using **Flask, React, MySQL and Google Auto Tagging** for image analysis.
- With **180K+ event registrations, 9K+ users engaged, 80K+ views**, and an average engagement time of 4 minutes and 42 seconds, Picstone was ranked top 5 in **Generative AI hackathon** on Peerlist and Replit.

CustomCV: Personalized Cover Letter Generator

- Launched an **AI-powered tool** to create **personalized cover letters** tailored to each job application.
- Achieved with TypeScript, MongoDB, Node.js, Express, Flask, AWS, Framer, and Git, using a scalable class-based architecture.

LinkSaver

- A full-stack **AI-powered bookmarking platform** that helps users organize, search, and manage web resources with nested collections, smart tags, and collaboration features.
- Built end-to-end with **Go, PostgreSQL**, and **Next.js**; implemented drag-and-drop nested collections and AI-powered resource tagging.

OTHERS

- **Leadership Experience:** Coordinated and led multiple clubs and events, resulting in a greater participation rate and the supervision of multi-functional project teams.