Harshit Jha

+91 8800734947 | harshitjha393@gmail.com | github.com/blenbot

EXPERIENCE

Fullstack Developer [Certificate]   July 2024 – January 2025
LMDmax   *Remote*
- Designed and implemented **RESTful APIs** with Node.js that processed over **50,000 daily requests** with a 99.9% uptime, enabling seamless data flow between front-end and back-end services.
- Spearheaded the implementation of new features that directly contributed to a **30% increase** in site traffic and a **20% reduction** in bounce rate, significantly enhancing user retention and engagement metrics.
- Containerized application services using Docker, reducing deployment time by **65%** and ensuring consistent environments across development, testing, and production, which eliminated environment-specific bugs.

Freelancing   January 2025 - Ongoing
Freelancer.com   *Remote*
- Spearheaded end-to-end development of an AI-powered chatbot for social event planning in group chats (iMessage), leveraging Python, OpenAI API and core-memory data storage; delivered a production-ready solution for a startup based in the USA.
- Developed a minimalist flight-booking web application with a MySQL-backed simulated database, supporting 10k+ daily active users through optimized CRUD endpoints and horizontal scaling strategy; provided full codebase for one-click deployment while working with a team from Turkey.

PROJECTS

Bubbl Chatbot | **LINK** | **GITHUB** | *Python, OpenAI API, SQLite3, Firebase, Redis*   January 2025 – Present
- Engineered a scalable chatbot on iMessage with Python, Firebase, Apple's sqlite3 backend supporting 5,000+ daily active users and 50,000+ messages/day with average response latency <100 ms.
- Integrated OpenAI's GPT API to analyze conversation context and user preferences, generating relevant suggestions with a 92% satisfaction rate among test users.
- Designed Redis-based delta polling cache to reduce Firestore read operations by 70%, saving upto $200/month in cloud costs while preserving full chat history in SQLite..
- Optimized GPT API integration with local result caching, reducing token usage by 30% and guaranteeing sub-second AI responses..

Flight Booking System | **LINK** | **GITHUB** | *React, Typescript, Redux-UI, Node.js, PostgreSQL*
- Developed a full-stack Flight Booking platform using React, TypeScript, and Node.js to enable real-time flight search and booking management.
- Deployed the application with Netlify (frontend) and Render (backend) and CI/CD pipelines, achieving 99.9% uptime and supporting 1k+ daily active users.
- Architected and optimized a normalized PostgreSQL schema and SQL queries to reduce average API latency by 40% (<200 ms)

OPEN SOURCE CONTRIBUTIONS

- Contributed to 4 Open source projects with over 3000 lines of code added, - Python, Jest, JS, Rust.

- **Ranked 76 on sugar labs contributors**

TECHNICAL SKILLS

Programming Languages: JavaScript, Python
Frontend Technologies: React, Next.js, Tailwind CSS, Bootstrap, Axios
Backend Technologies: Node.js, Express, Flask, RESTful APIs, SQLAlchemy
Databases: PostgreSQL, MongoDB, Redis
Cloud & DevOps: Docker, Kubernetes, AWS, Heroku, CI/CD Pipelines

EDUCATION

Delhi Technological University   Delhi, India
Bachelor of Technology in Chemical Engineering   *Aug. 2023 – May 2027 (Expected)*