

Mahansh Aditya

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EDUCATION

Indraprastha Institute of Information Technology, Delhi
B.Tech in Computer Science Engineering with a Specialisation in Design

New Delhi, IND
2021 – 2025

TECHNICAL SKILLS

Languages: C/C++, Python, Java

Frameworks: Spring Boot, React.js, Next.js, Node.js, Express.js, FastAPI

Databases & Messaging: PostgreSQL, MongoDB, Redis, BigQuery, Kafka

Cloud & Developer Tools: AWS, Docker, Git, GitHub

Core Skills: Data Structures and Algorithms, Object-Oriented Programming, REST APIs, Distributed Systems

EXPERIENCE

Software Engineer

Aug 2025 – Present

Headout

Bengaluru

- Improved booking dashboard data freshness by replacing a **BigQuery** source with a dataset capped at **5-minute lag**, reducing supplier booking visibility lag by **80%**.
- Redesigned** the Observability service into a **fire-and-forget dispatcher**, **cutting TAT by 95.8%**.
- Engineered** a unified async job system for 5 time-intensive synchronous workflows, **reducing data redundancy by 80%** and **cutting initial API response time by 90%**.
- Standardized error handling** across service modules, **increasing error-free sessions by 14%** and **reducing issue resolution TAT by up to 90%**.
- Migrated booking dashboard exports from the application server to **AWS Lambda**, isolating resource-intensive BigQuery workloads from core APIs and **improving** service resource utilization.

Full-Stack Developer

March 2025 – Aug 2025

Lila Games

Bengaluru

- Led the development of a visual branching-flow editor, **reducing chapter setup time by 60%**.
- Built an **asynchronous event ingestion pipeline** in **Golang** using **goroutines** and **channels**, decoupling event generation from downstream processing.
- Built an internal **admin panel** using **Next.js** for game configuration, enabling QA teams to configure test environments and provision in-game resources without developer intervention.

Full-Stack Developer

June 2024 – Sept 2024

Plunes HealthCare

Gurugram

- Optimized page load performance** by lazy-loading non-critical data and deferring API calls until required, **reducing initial loading time by 25%**.
- Built an internal insurance **CRM panel** using **Node**, **Express**, and **MongoDB**, from scratch.
- Optimized APIs** by reducing unnecessary MongoDB data retrieval and introducing **caching** for frequently accessed data.

PROJECTS

Anarchist | *Next.js, SpringBoot, Kotlin, PostgreSQL* | [Deployed](#) |

Aug 2026 – Aug 2026

- Built a full-stack **D2C e-commerce platform** along with a **CMS Panel** using **Next.js**, **Spring Boot**, **Kotlin**, and **PostgreSQL**, independently owning the architecture and development.
- Optimized** the multi-region deployment architecture by relocating the backend and PostgreSQL database closer to Indian users and leveraging the **Vercel edge network**, reducing API latency by **70%**.

mahansh.AI | *Next.js, SpringBoot, Kotlin, PostgreSQL* | [Deployed](#) | [GitHub](#)

Nov 2024 – Nov 2024

- Built an **AI conversational platform** using **Spring Boot**, **Kotlin**, **Next.js**, **PostgreSQL**, and **pgvector**.
- Implemented **RAG-based** long-term memory using **OpenAI embeddings** and semantic search across conversations for context-aware responses.
- Optimized** LLM context and API costs through **token-aware retrieval** and **context management**, reducing unnecessary conversation history sent to the LLM while preserving relevant historical context.