



Ayush Katoch

Full Stack Developer

My Contact

✉ katochayushhp@gmail.com

☎ +91 7018959058

📍 Chandigarh(Willing to relocate)

🌐 [Portfolio](#)(Projects link)

🐙 [Github](#)

🌐 [LinkedIn](#)

Hard Skill

- ♦ MERN
- ♦ Prometheus Grafana
- ♦ Elasticsearch Kibana
- ♦ NGINX
- ♦ Prisma & Drizzle ORM
- ♦ puppeteer playwright
- ♦ LLM
- ♦ langchain
- ♦ ChromaDB
- ♦ JWT
- ♦ AWS
- ♦ Apache Tika

Soft Skill

- ♦ Observation
- ♦ Decision making
- ♦ Communication
- ♦ Multi-tasking
- ♦ Persistent

Education Background

- B.E CSE Hons. AIML, Chandigarh University
2021 -2025

Summary

I am a Full Stack Developer and DevOps professional with experience in MERN stack development, serverless architecture, containerization using Docker, AWS services like S3 bucket and Lambda functions. I have hands-on experience with technologies like DiscordJS, Prometheus and Grafana, NeonJS, Playwright, Drizzle ORM Prisma & Drizzle ORM puppeteer playwright LLM langchain ChromaDB JWT AWS Apache Tika Elasticsearch Kibana NGINX.

Professional Experience

W3Dev Private Limited
July 2023- Nov 2023

Key responsibilities:

- ♦ Worked on LLM , vector databases and their integration like langchain and chromadb.
- ♦ Hands-on experience on technologies like discordjs, Prometheus and Grafana, neonjs, playwright drizzle prisma.
- ♦ Worked on serverless stack sst.dev.
- ♦ Worked on docker containarization of applications.

Metaverse Ventures Private Limited
Dec 2023 - Feb 2024

Key responsibilities:

- ♦ Worked on Full Stack Applcaition using NextJS
- ♦ Debugging the issues in the code

Achievements

- 2021-2024
1. 3rd position at HACK JNU 3.0 Hackathon in JNU Delhi in 2024.
 2. 2nd position at Bharat Tech Xperience Hackathon SVIET in 2023.
 3. 2nd position at HACK KRMU, KR Mangalam, 2023
 4. 3rd position at interdepartment Anchor Hunt Competition 2024

- 2016 - 2020
1. National Level INSPIRE Award Winner in 2016
 2. Attended International Sakura Science Exchange Program in Tokyo Japan.2018

Projects

FileX – Document Search Engine SuperHero

- Deployed a multi-container web application GitHub . REST API integration
- Implemented Elasticsearch and Kibana for advanced search capabilities and intuitive data visualization, enhancing overall user experience.
- Integrated Apache Tika, a content analysis toolkit, to extract text from various document formats by sending POST requests to its API.
- Improved scalability and maintainability by containerizing and deploying the application on a Kubernetes cluster, optimizing resource utilization and enhancing overall system efficiency

Chat Application: React

And Node

- Developed and deployed React Chat App just like WhatsApp
- Using Socket.io to make connections
- React hooks and components approach and MVC model in backend

Spider Web Crawler: Serverless Stack

- Developed the database system in express node application

- Drizzle ORM as the database client and Neonjs as database
- Scraped data as vector embeddings using Transformers.js
- Prometheus and Grafana for monitoring of events

AAIDO: Advanced AI Document Optimizer

- Made a chrome extension which records audio from the browser.
- Saved the data of audio text to ChromaDB.
- Gemini AI in the embedder function for implementing prompt based Search
- Retrieval Augmented Generation RAG Search for efficiency

Mini Projects

- Expense Tracker
- Todo App
- Chat App: Node Application