



Ayush Katoch

Full Stack Developer

My Contact

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📍 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. AIMA, 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 containerization of applications.

Metaverse Ventures Private Limited
Dec 2023 - Feb 2024

Key responsibilities:

- ♦ Worked on Full Stack Application 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 |

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| 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

