Ayush Katoch

Full Stack Developer and DevOps Enthusiast

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PROFILE

3rd Year B.Tech student. Gained valuable experience as a 6 months intern at W3Dev and achieved the position of First Runner up in Bharat Tech Experience Hackathon and Hack KRMU 2.0.

EDUCATION

August 2021 – May 2025

B.E CSE AIML

Chandigarh University, Chandigarh, Punjab

SKILLS

- MERN Stack
- Prometheus and grafana
- Elasticsearch and kibana
- RabbitMQ
- JWT AND Web Sockets
- Javascript
- NGINX
- Prisma and drizzle ORM
- Puppeteer and playwright
- AWS
- Serverless Stack and Axiom

PROFESSIONAL EXPERIENCE

June 2023 – December 2023

Full Stack Javascript Developer Intern

W3Dev, Work from Home

- Worked on multiple(5) versatile and resourceful projects.
- Hands on experience on technologies like discordjs, Prometheus and Grafana, neonjs, playwright, drizzle and prisma ORM, puppeteer
- Worked on serverless stack sst.dev
- Worked on docker containarization and aws services like s3 bucket and lambda functions
- Worked on axiom technology for the log storage and display for any deployed project

June 2022 – July 2022

Trainee and Student

Survey of India, National Informatics Centre, Dehradun, Uttrakhand

- Collaborated with a team of developers to contribute to the design, development, and maintenance of web-based applications for government projects.
- Participated in the development of responsive and user-friendly web interfaces using modern web technologies such as HTML, CSS, and JavaScript.

INDUSTRY COURSES:

Epic React

Intermediate and Advanced React Courses

Jan 2023 – April 2023

https://epicreact.dev/

Learn Node

Intermediate and Advanced Node Courses

Jan 2023 – April 2023

https://learnnode.com/

PROJECTS:

FileX - The Document Search Engine Superhero

- Implemented Node.js for the server-side and EJS templates for the UI, creating a dynamic and responsive web application.
- Utilized Elastic Search as the database to provide fast and efficient document searching capabilities.
- Used Kibana for database visualization and search analytics, enabling data-driven insights and monitoring.
- Created a Docker file to package the application and its dependencies, allowing for easy deployment and scalability across different environments.
- Integrated Apache Tika, a content analysis toolkit, to extract text from various document formats by sending POST requests to its API. This enhanced the search functionality and made the application versatile.

Discord Recording and Reminder Bot

- **Integration Tools**: Developed a discord reminder and recording bot using discordjs and discords/voice
- **Voice handling**: Implemented opus encoder and ffmpeg
- **Storage**: S3 bucket for storage of the recordings
- **Database**:
  1. Postgres database for storing the information of files for recording
  2. Prisma ORM as database client

Spider Web Scraper – Serverless and Serverful Integration

- **Structure**:
  1., one is for the scrapping part in serverless stack using sst rest api.
  2. Developed the database system in express node application
- **Database**:
  Drizzle ORM as the database client and Neonjs as database
- Scraped data as vector embeddings using Transformers.js
- **Monitoring Systems**: Prometheus and Grafana for monitoring of events

Achievements:

- 2nd at Bharat Tech Hackathon organized by SVIET in October 2023.
- 1st runner-up of Hack KRMU 2.0 organized by KR Mangalam University.
- National Level Winner of INSPIRE Program and attended the International Sakura Science Exchange Program in Tokyo, Japan.
- State Level Quiz winner in Children Science Congress middle school category.