

TUSHAR GAHLAUT

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WORK EXPERIENCE

Software Development Engineer - IndiGo (InterGlobe Aviation Ltd) **July 2023 - Present**

- Developed **6Eskai**, IndiGo's GPT-4 powered autonomous agent, by using **React.js** and implemented real-time response streaming, also worked on features such as Flight Selection and Payment Gateway Integration
- Integrated **Navitaire** APIs and **Microservices** on 6Eskai for various features like Ticket Booking, Flight Search, Plan B Integration, Hotel Booking etc using **Python FastAPI**.
- Optimised server performance by implementing **Redis Caching**, reducing database queries and enhancing response speeds on IndiGo's Staff Leisure Travel platform and 6Eskai.
- Used **Microsoft Azure AI Services** like **Semantic Search**, **Document Intelligence** etc and **Azure VectorDB** for building 6Eskai's Knowledge Base.
- Implemented high code coverage Test Suites using **JUnit**, **Mockito** for SCA Tools like **SonarQube** for APIs built using **Java Spring Framework (Spring Web, Data JPA, Security etc)**.

Frontend Tech Consultant - Kurage (Internship) **August 2022 - January 2023**

- Built Frontend for MORF and SKG websites using **Next.js**, implemented state management using **Redux Toolkit** and Google Auth for secure Authentication.
- Integrated APIs using **Apollo GraphQL** for fetching Product Details, handling File Uploads, User authentication etc.

EDUCATION

Bachelor of Technology in Computer Science and Engineering **2019 - 2023**
Guru Gobind Singh Indraprastha University, New Delhi, **CGPA : 9.1**

PROJECTS

- **Trade Vibes (Link)**
Technologies Used: MERN Stack, Redis, Cloudinary, Typescript, Shadcn/ui, Docker, Openshift.
An online platform for discussing stock market trends and sharing investment knowledge. Did integration of APIs from NSE India website for Nifty 50 data and Redis for caching.
- **TalkSpot (Link)**
Technologies Used: NextJS, Redux Toolkit, NodeJS, ExpressJS, MongoDB, Socket.io
A real time chat website which allows users to create 1-1 and group chat rooms to send/receive messages.

TECHNICAL SKILLS

Programming Languages: C++, Javascript, Typescript, Java, Python
Frameworks/Libraries: ReactJs, NodeJs, Apollo GraphQL, FastAPI, Jest, Spring Framework (Springboot, Spring Data JPA, Spring Security), JUnit, Mockito
Databases: MongoDB, Azure CosmosDB, MySQL, PostgreSQL, Redis, Azure Blob Storage
DevOps and Cloud: Microsoft Azure, Docker, CI/CD Pipelines, Tekton, OpenShift, GitHub Actions
Message Brokers: Kafka, AMQ Streams
API and Development Tools: REST, GraphQL, Visual Studio Code, Postman, GitHub, PyCharm, CoPilot
Core CS Subjects: Data Structures and Algorithms, OS, Computer Networks, DBMS, OOPs

EXTRACURRICULAR ACTIVITIES

- Smart India Hackathon 2022 National Finalist - Developed a platform to bring together multiple programming resources for students. (*Certificate*)