

# TUSHAR GAHLAUT

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## PROFILE SUMMARY

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I am a skilled Software Engineer with 2 Years of Experience developing and maintaining scalable applications using **Modern Software Technologies and Frameworks, Cloud Platforms and Generative AI Services.**

## TECHNICAL SKILLS

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**Programming Languages:** C++, Javascript, Typescript, Java, Python.

**Frameworks/Libraries:** ReactJs, NodeJs, FastAPI, Jest, Spring Framework, JUnit, Mockito.

**Databases:** MongoDB, Azure CosmosDB, SQL, Redis, Azure Blob Storage

**DevOps and Cloud:** Microsoft Azure, Docker, Kubernetes, OpenShift, GitHub Actions

**Message Brokers and Analytics:** Kafka, AMQ Streams, Elasticsearch, Azure App Insights

**Core CS Subjects:** Data Structures and Algorithms, Operating Systems, Computer Networks, DBMS, OOPs

## WORK EXPERIENCE

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### Software Development Engineer - IndiGo

July 2023 - Present

- **6Eskai** - A GenAI powered Chatbot for Customer Experience
  - Developed **6Eskai** using **React.js** and **FastAPI** to implement real-time response streaming, also developed features such as Flight Booking, Boarding Pass and **Juspay Payment Integration**.
  - Led migration of IndiGo's legacy Yellow Messenger live agent to **Salesforce's** services. Integrated Server-Sent Events and Streaming Responses with **Python FastAPI**.
  - Integrated **Microsoft Azure AI Services** like **Semantic Search, Document Intelligence etc** and **Azure Cosmos DB** for building 6Eskai's Knowledge Base to answer customer's related queries.
  - Engineered **Cron Jobs** to automate knowledge base updates and implemented PII-compliant chat storage in **Azure Cosmos DB**.
- **6E Elevate** - Integrating Leadership Engagement and Employee Incentive Programs.
  - Developed 6E Elevate platform using **Java Spring Boot** and React.js, enabling video streaming from Azure Blob Storage and **OAuth2** based employee authentication.
  - Implemented **CI/CD** Pipelines using **GitHub Actions** to automate deployment of this application.

### 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 data querying and mutation operations like fetching Product Details, handling File Uploads to **AWS S3 Buckets**, User Auth through **Google Sign In** etc.

## EDUCATION

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**Bachelor of Technology in Computer Science and Engineering**

2019 - 2023

Guru Gobind Singh Indraprastha University, New Delhi, **CGPA : 9.1/10**

## PROJECTS

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- **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.