Tanmay Jain

Bengaluru | Delhi
+91 9211753453
LinkedIn.com/in/jaintanmay121
jaintanmay121@gmail.com
GitHub.com/jaintanmay121

EXPERIENCE

Senior Software Engineer
Nference — Bengaluru, Karnataka — August 2021 – Current

– Developed a service managing millions of cohorts, utilizing **Elasticsearch** for efficient data storage and retrieval, integrated with **Redis** and cloud **buckets** for optimized performance. Implemented seamless **gRPC** integrations for backend connectivity.

– Spearheaded migration of multiple services to **Kubernetes**, enhancing scalability and resilience. Containerized the applications, ensuring statelessness.

– Working on a search and analysis application capable of querying millions of documents within <5s, leveraging **C++** and **Golang** to achieve lightning-fast retrieval times.

– Engineered and scaled a robust notification system to facilitate multi-channel communication (Slack, email, **WebSockets**), implementing solutions with **RabbitMQ** and **MongoDB**.

– Designed and implemented an asynchronous job queuing system, reducing latency and improving scalability for critical tasks, leveraging technologies including **Kafka**, **RabbitMQ**, and **MongoDB**.

– Built a **Flask**-based application, facilitating real-time vector projection, dynamic cohort clustering, and refinement using machine learning techniques, providing a no-code cohort and model assessment platform.

– Revamped codebases, adhering to industry best practices. Spearheaded automated testing, achieving **80%+ code coverage**.

Software Development Intern
OpsVeda — Remote — March – May 2021

– Architected a robust API using **FastAPI** to ensure secure data transfer for authenticated users, enhancing system reliability and user trust.

– Improved file processing efficiency by **40%** through enhanced algorithms and resource allocation.

SKILLS

Languages	Python, Golang, C++, C
Web Frameworks	Flask, Django, FastAPI
Databases	MongoDB, Elasticsearch, MySQL, PostgreSQL
Tools and Technologies	Redis, RabbitMQ, Kafka, WebSockets, Docker, Kubernetes, gRPC

EDUCATION

Guru Gobind Singh Indraprastha University
Delhi, India
Bachelor of Technology - Computer Science Engineering

OTHERS

• Recipient of the **Bravo Award** twice: Once for the prompt delivery of a QMS-compliant package, and again for the speedy development of a new app, streamlining its adoption.

• Secured a spot in the qualifiers at the **MLH HackCBS 2.0 Hackathon**, Delhi University, demonstrating proficiency in hackathon challenges.