

Mohammad Hossam

Full-Stack Developer

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SKILLS

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| • Javascript | • Git |
| • Expressjs | • Aws |
| • Nestjs | • Github Actions |
| • React | |

PROJECTS

Vidflow

Scalable Video Streaming Platform

VidFlow is a video streaming application designed for scalability and performance. Built with NestJS on the backend and ReactJS on the frontend, the platform enables users to upload, view, share, and like videos, as well as subscribe to other users' channels.

A key feature of VidFlow is its automated video processing pipeline. Uploaded videos are transcoded into multiple quality formats using FFmpeg, with tasks offloaded to background workers through BullMQ and Redis-based queuing, ensuring a smooth user experience without blocking API responses.

Key Features:

1. Video uploads with automatic quality conversion (e.g., 1080p, 720p, 480p)
2. Like and share functionalities
3. Channel subscriptions
4. Efficient video processing using background queues

VidFlow demonstrates an effective use of distributed processing and event-driven architecture to handle computationally heavy tasks in a responsive and scalable way.

GU Halls

EDUCATION

Galala University

Bachelor degree in computer science

10/2024 – 06/2028

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