

Dilip Kumar

Backend Developer

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[\[LinkedIn\]](#) || [\[GitHub\]](#)

Professional Summary

Dedicated Backend Developer with expertise in building scalable and secure RESTful APIs using Node.js, Express.js, and MongoDB. Proficient in implementing authentication systems (JWT, OAuth), optimizing database performance, and managing media with Cloudinary. Committed to developing data-driven backend systems that enhance user experience and ensure security, with strong collaboration skills to seamlessly integrate backend systems with frontend teams.

Technical Skills

- **Frontend:** JavaScript, React.js, HTML, CSS
 - **Backend:** Node.js, Express.js, MongoDB, Mongoose, RESTful APIs
 - **Authentication:** JWT, OAuth, Password Hashing
 - **Data Management:** Data Modeling, Query Optimization, Aggregation
 - **File Handling:** Cloudinary, Multer, AWS S3
 - **Programming:** Asynchronous Programming, Error Handling
 - **Tools:** Git, [\[GitHub\]](#), Linux, Windows, Postman, ThunderClient
 - **Soft Skills:** Problem-Solving, Team Collaboration, Communication
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Projects

Video Platform Backend

[\[GitHub Repo\]](#)

Technologies Used: Node.js, Express.js, MongoDB, Cloudinary, JWT

- Developed a comprehensive backend system for video management, including user uploads and retrieval.
 - Implemented JWT-based authentication and OAuth for secure user management.
 - Integrated Cloudinary for media storage and optimized MongoDB queries to enhance performance and scalability.
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Controllers: Video, Tweet, Subscription

[\[GitHub Repo\]](#)

Technologies Used: Node.js, Express.js, MongoDB

- Developed a Video Controller for media management (upload, retrieval, deletion).
- Created a Tweet Controller enabling users to post, retrieve, and delete tweets, ensuring data integrity and security.

- Built a Subscription Controller to manage subscribing and unsubscribing to channels, retrieve the list of subscribers for a channel, and list the channels a user is subscribed to, ensuring smooth subscription management.

Experience

Backend Developer

Self-Initiated Projects

- Built scalable, secure APIs for user authentication, data management, and media handling.
 - Collaborated with frontend developers to integrate backend systems for seamless user experiences.
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Education

Jai Narayan Vyas University, Jodhpur

Bachelor of Commerce (Finance & Economics)

2019 - 2021

Certifications

- **Python Core Certification** [\[View Certificate\]](#)
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Additional Highlights

- Successfully implemented a secure user authentication system using JWT, reducing unauthorized access attempts by 20%.
- Designed and deployed a scalable backend for video content management, supporting over 10,000 video files.
- Demonstrated expertise in asynchronous programming, data modeling, and error handling.