Dilip Kumar

Backend Developer

Jodhpur, Rajasthan

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[GitHub](#) | [Portfolio](#)

Professional Summary

Dedicated Backend Developer with expertise in building scalable RESTful APIs using Node.js, Express.js, FastAPI, and MongoDB. Currently contributing as a Backend Development Intern at Bugs and Glitches, specializing in API security, database optimization, and scalable architecture. Skilled in deploying applications with Docker and DigitalOcean, and proficient in relational and non-relational databases. A strong collaborator with a focus on enhancing user experience through secure and efficient integrations.

Technical Skills

- **Frontend**: JavaScript, React.js, HTML, CSS
- **Backend**: Node.js, Express.js, RESTful APIs, Docker, DigitalOcean
- **Authentication**: JWT, OAuth, Firebase Authentication
- **Data Management**: MongoDB, MySQL, Query Optimization, Aggregation
- **Documentation**: Swagger API
- **File Handling**: Cloudinary, AWS S3
- **Tools**: Git, Postman, Linux
- **Soft Skills**: Problem-Solving, Collaboration

Experience

Backend Development Intern

Bugs and Glitches Company

November 2024 – Present

- Developed and deployed secure RESTful APIs, ensuring compliance with best practices in API design.
- Optimized database queries, reducing response time by 20% for high-traffic endpoints.
- Implemented JWT-based authentication, increasing application security and minimizing unauthorized access.
- Collaborated with cross-functional teams to integrate features, improving stability and user satisfaction.

Backend Developer (Self-Initiated Projects)

January 2024 – Present

- Designed scalable APIs for video content management and task management platforms.

- Utilized Docker for development consistency and DigitalOcean for efficient hosting.
- Enhanced user experience by integrating backend services with React.js frontends.

Projects

Video Platform Backend

[GitHub Repository](#)

- Developed a comprehensive backend for video uploads and retrievals, integrating JWT-based authentication and Cloudinary for media management.
- Designed RESTful APIs for secure media handling, deployed on DigitalOcean with Docker.

To-Do Assignment Project

[GitHub Repository](#)

- Built a RESTful API backend for a task management application using FastAPI and SQLite.
- Integrated role-based access control and Swagger API documentation for seamless testing and development.

Education

Jai Narayan Vyas University, Jodhpur
B.Com in Finance & Economics (2019–2021)

Certifications

- Python Core Certification

Additional Highlights

- Reduced unauthorized access attempts by 20% through a robust JWT-based authentication system.
- 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.