RAJAT SHARMA

GITHUB | EMAIL | LINKEDIN | BLOGS | UTTAR PRADESH, INDIA

Projects

NetPulse-Engine (*Backend System for a social media platform*)   ***GitHub Video-Demo***
(Uses: NodeJS, Express, MongoDB, and Cloudinary)
• Developed a comprehensive backend system integrating video streaming and micro-blogging functionalities, demonstrating proficiency in complex system design and API development.
• Implemented secure user authentication and authorization using JWT, showcasing skills in backend security best practices.
• Designed and built RESTful API endpoints for core functionalities including video management, user interactions, and content engagement, utilizing Node.js and Express.js.
• Created a scalable database schema using MongoDB, handling diverse data models for users, videos, comments, likes, and playlists.
• Integrated third-party services such as Cloudinary for efficient media handling, demonstrating the ability to work with external APIs and cloud services.

JustDeploy (*Backend System for deploying GitHub projects with live access*)   ***GitHub Video-Demo***
(*Uses: NodeJS, Express, Docker, Redis Queue, Socket.IO, AWS S3, AWS ECR and AWS ECS*)
• Implemented a microservices architecture using Node.js, Docker, and AWS services (ECR, ECS, S3), showcasing skills in distributed systems and containerization.
• Designed and built an API server that manages project deployments, interacts with AWS ECS to spin up containers, and utilizes Redis for real-time logging.
• Created a reverse proxy server to handle the routing of user requests to the appropriate files in the S3 bucket.
• Incorporated real-time communication using Socket.IO for live build logs.

Certifications

- AWS Cloud Quest: Cloud Practitioner

Blogs

- Simplify Your Website Hosting with Amazon S3: A Step-by-Step Guide
- Understanding Pointer Sizes in C/C++
- How Data Types Handle Endings: Strings vs Integers
- What Is DevOps?

Achievements

- Level 4 Contributor in HacktoberFest 2022

Education

Sharda University, Greater Noida, India   **2019 - 2023**
- Bachelor of Technology in Computer Science (*Operating Systems, Computer Networks, Object Oriented Programming, Compiler Design, etc.*)