

Tech Docs

Frontend Framework: Next.js

Next.js is a React-based full-stack framework that enables server-side rendering, static site generation, and seamless API integration, ideal for our movie rating website to boost SEO performance, accelerate page loads, and streamline frontend-backend collaboration with unified project architecture.

Component Library: Material UI

Material UI is a React component library implementing Google's Material Design, offering pre-built customisable UI components that accelerate frontend development and ensure visual consistency, perfect for our movie rating website to create an engaging user interface with responsive layouts and accessibility compliance out-of-the-box.

Backend: Python with FastAPI

FastAPI is a modern, high-performance Python web framework for building APIs with asynchronous support and automatic OpenAPI/Swagger documentation, offering advantages like rapid development, type safety via Python type hints, and scalability for our movie rating website.

Database: MongoDB

MongoDB is a cloud-hosted NoSQL document database that simplifies team collaboration with automatic data synchronisation and provides secure storage for user credentials via encryption, making it ideal for our movie rating website by eliminating local hosting complexity and ensuring real-time consistency across developers.

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1. Next.js [<https://nextjs.org/>]
 2. Material UI [<https://mui.com/material-ui/getting-started/>]
 3. FastAPI [<https://fastapi.tiangolo.com/features/>]
 4. MongoDB [<https://www.mongodb.com/>]