Muhammed Asjad

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Profile Summary

Result-oriented Full Stack Developer with strong expertise in **Django** and **React.js**. Expertice in building scalable, secure web applications using **RESTful APIs** and efficient architectures. Skilled in both **relational and non-relational databases** with a focus on clean code, performance, and problem solving. Passionate about secure development practices and committed to lifelong learning, constantly evolving to tackle real-world challenges to drive growth and improvement.

Technologies

Languages : Python , C++, JavaScript

Concepts : DSA , Object-Oriented Programming , Problem Solving , System Design , ORM

Frameworks : Django , DRF , React , Next.Js , FastApi

Frontend : Bootstrap , HTML5 , Tailwind Css , Redux , Redux Percist , vite , shadcn , React Tostify

Backend Tools : Pytest , Django Channels , JWT

Payment Gateways : PayPal, Razorpay

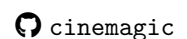**Database :** PostgreSQL , MongoDB

Caching : Redis

DevOps : AWS Ec2 Hosting , Vercel , Docker , Render

Version Control : Git , GitHub

Reverce Proxy : NGINX for load balancing and handling HTTP Request

Projects

CineMagic: Online Movie Ticket Booking System   ⌨ cinemagic

- Designed a scalable **Django** and **React** app with **Web Socket** driven real-time seat locking and notifications boosting user engagement by 30% over traditional synchronous setups.
- Containerized the application using **Docker** ensuring consistent environments and reducing deployment time by 35%.
- Implemented core features : theater registration, seat selection, payment gateway (PayPal), review system, complaint handling, and user blog creation.
- Utilized **Django REST Framework (DRF)** for scalable APIs efficiently managing high traffic for user and theater operations.
- Used **PostgreSQL** for managing data across services (Admin, Theatre Owner, User).
- Integrated **Celery** with **Redis** for asynchronous email and OTP login, improving system responsiveness by 25%.
- Built responsive UI using **Tailwind CSS**, **React**, and **Shadcn UI** for a seamless user experience.
- Used **Git** for version control and wrote unit tests with **Pytest** to ensure reliability.

UrbanCrew: E commerce Platform   ⌨ urbancrew

- Developed a fully-fledged eCommerce application using **Django and PostgreSQL** with a monolithic architecture covering core features like user registration, product catalog, search/filter, cart, and order processing
- Integrated advanced modules such as **google auth, user wallet**, **coupon system**, **wishlist**, and **product offers**, enhancing user engagement and sales flexibility
- Integrated advanced modules like **user wallet**, **coupons**, **wishlist**, and **product offers** to enhance user experience
- Deployed the project on **AWS EC2 Linux server**, ensuring production readiness and high availability
- Thoroughly tested REST APIs using **Postman** to ensure reliability and performance
- Integrated **wkhtmltopdf** for PDF invoice generation and managed version control with **Git** and external library support

Mini Projects

CodBlog - Blogging Platform   cod-blog

- Developed a modern full-stack blogging platform with JWT and Google OAuth-based authentication using Django and React.
- Implemented block-based rich text post creation using EditorJS supporting text, images, and code.
- Integrated an AI-powered writing assistant (Gemini API) to generate ideas, titles, summaries, and improve content grammar/readability.
- Built a real-time nested comment system using WebSockets via Django Channels.
- Added engagement features such as post likes, save-for-later, personalized saved lists, and live like count updates.
- Designed social networking features including follow/unfollow system, following feed, and user discovery via Explore Users.
- Enabled real-time notifications (new followers, likes, comments, replies) with Redis-backed WebSocket communication.

Django Webhook Relay Service   webhook-service

- Developed a secure webhook relay service using **Django REST Framework**, authenticating requests via unique `CL-X-TOKEN`.
- Designed RESTful APIs to manage accounts and destinations, with automatic cascading deletion and token-based security.
- Implemented reliable webhook forwarding using the **Requests** library, supporting custom headers and multiple destinations.

Netflix Clone   netflix-clone

- Built a responsive Netflix clone web app using React.js and Vite with modern UI.
- Integrated Firebase for user authentication (login and registration).
- Implemented features like trailers, thumbnails, and category wise movie sections.
- Used reusable components to maintain clean and efficient code structure.

Education

Full Stack Web Development Bootcamp (Django + React)   2023 – 2025

Intensive 2-year project-based training covering backend (Django, REST APIs) and frontend (React, JavaScript) including real-world applications and Git-based collaboration.

Higher Secondary (Computer Commerce)   2021 – 2023

GHSS Vazhakkad