

Dipak Majumdar

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Backend Developer with 4+ years of experience designing and developing scalable web applications and high-performance RESTful APIs using Django, FastAPI, Laravel, MySQL, and PostgreSQL. Experienced in building enterprise applications, asynchronous task processing with Celery and Redis, real-time communication using WebSocket, and integrating third-party APIs. Proficient in database optimization, system design, authentication, RBAC, CI/CD pipelines, AWS deployment, Docker, Linux server administration, and production application monitoring. Strong experience leading development teams, collaborating directly with clients, planning Agile sprints, and delivering secure, scalable, and maintainable software solutions.

Experience

Application Developer
Web Idea Solution LLP

New Town, Kolkata
Jan 2026 - Present

- Develop scalable web applications using Django, FastAPI, Laravel, MySQL, PostgreSQL, and REST APIs.
- Build secure, high-performance, scalable APIs with optimized database design.
- Communicate directly with clients for requirement gathering, feature discussions, updates, and issue resolution.
- Plan sprints, estimate tasks, manage priorities, and ensure timely project delivery.
- Lead a team of 8-10 developers through task allocation, code reviews, debugging, and technical support.
- Deploy, manage, monitor, and debug live applications on AWS and VPS servers using Linux, Git, Nginx/Apache, SSL, and databases.

Full Stack Developer
Leelija Web Solutions Private Limited

Barasat, Kolkata
Oct 2021 - Dec 2025

- Built and maintained web applications using Core PHP, Laravel, Django, React.js, MySQL, and PostgreSQL.
- Created scalable RESTful APIs using Laravel, Django REST Framework with authentication, validation, and role-based access control.
- Worked on SaaS, POS, booking, finance, management, and business automation projects.
- Led a team of 7-8 developers, handled task allocation, code review, debugging, and delivery planning.
- Deployed and managed live projects on VPS/cloud servers, including Linux, Nginx/Apache, SSL, Git, database setup, and production debugging.
- Resolved live production issues related to APIs, databases, server configuration, performance, and application bugs.

Projects

Logistics Operations Management Platform

Technologies Used: FastAPI, PostgreSQL, WebSocket, Celery, Redis, React.js

- Developed a multi-role logistics management platform for customer order fulfillment, fleet operations, vendor management, and trip lifecycle management.
- Designed a modular architecture with reusable components to improve scalability, maintainability, and future feature development.
- Implemented trip scheduling, vehicle allocation, driver assignment, Proof of Delivery (POD), penalty management, vendor payments, and branch reward systems.
- Built secure RBAC with multiple user roles and integrated WebSocket for real-time trip updates and operational notifications.
- Used Celery and Redis for asynchronous background jobs, scheduled tasks, notifications, email processing, and report generation.
- Developed scalable REST APIs, dashboards, and reporting modules using FastAPI and PostgreSQL to support high-volume logistics operations.

Microfinance Loan Management System

Technologies Used: Django, PostgreSQL, JavaScript, Tailwind CSS, Redis, Celery

- Developed a microfinance loan management system supporting Head Office and multi-branch operations with customer onboarding, loan processing, and EMI collection.
- Integrated Aadhaar eKYC API for customer identity verification during loan registration.
- Implemented automated EMI scheduling, payment tracking, overdue management, penalties, and receipt generation.
- Used Redis and Celery for asynchronous background processing, including notifications, reminders, and report generation.
- Implemented and maintained CI/CD pipelines using Git, Jenkins, and automated deployment workflows for production applications.
- Built role-based access control, branch-wise operations, dashboards, and financial reports with optimized PostgreSQL queries and secure Django APIs.

Restaurant POS & Management System

Technologies Used: FastAPI, React.js, PostgreSQL, JWT Authentication

- Developed a Restaurant POS system supporting dine-in, takeaway, table management, and fast billing operations.
- Implemented raw material inventory with automatic stock deduction, supplier management, and low-stock alerts.
- Built RBAC using JWT Authentication and integrated WhatsApp invoice delivery for instant customer billing.
- Developed dashboards, sales reports, profit analytics, and secure REST APIs using FastAPI and PostgreSQL.

Abacus Learning & Franchise Management System

Technologies Used: Django REST Framework, PostgreSQL, JWT Authentication

- Developed an EdTech and franchise management platform for Abacus learning centers with student admissions, mathematics learning modules, and franchise operations.
- Built interactive math games covering addition, subtraction, multiplication, division, puzzles, and mental arithmetic for children.
- Implemented billing, fee management, inventory tracking for books, admission kits, uniforms, and educational materials, along with employee and salary management.
- Implemented Top 10 monthly franchise and student ranking based on configurable performance metrics.
- Developed automated monthly royalty calculation and franchise-wise royalty reports for administrative management.
- Developed secure REST APIs with Django REST Framework, JWT Authentication, RBAC, PostgreSQL, and business dashboards for reporting and analytics.

Education

Computer Science and Engineering

Birbhum Institute of Engineering and Technology

Suri - WB

2021 - 2024

Computer Science and Technology

Raja Ranjit Kishore Govt Polytechnic

Jhargram - WB

2018 - 2021

SKILLS

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- **Programming Languages:** Python, PHP, JavaScript, Java
 - **Frameworks & Libraries:** Django, FastAPI, Laravel, React.js
 - **Backend & Databases:** RESTful APIs, JWT, PostgreSQL, MySQL, Redis
 - **Tools & Platforms:** Git, GitHub, AWS, VPS, Docker, Jenkins, Postman, JIRA