

Mukul Sarkar

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SUMMARY

Backend-focused Software Engineer with 1+ year of production experience building REST APIs, JWT-based authentication systems, real-time WebSocket features, and scalable e-commerce backends using Django, FastAPI and PostgreSQL. Also experienced in building desktop-integrated systems using Electron.js. Strong in backend architecture, database design, and problem solving. Solved 120+ Data Structures & Algorithms problems on LeetCode

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML/CSS

Backend Frameworks: Django, Django REST Framework, FastAPI, WebSockets

Frontend Technologies: React.js, Electron.js, Django Templates

Databases: PostgreSQL, MySQL, SQL Server, Django ORM

Tools & Technologies: Git, Docker, Linux, REST APIs, Payment Gateway Integration

Core Competencies: API Design, Database Optimization, System Architecture, Performance Tuning, Code Review

PROFESSIONAL EXPERIENCE

Application Developer

Aug 2025 – Present

EXACKT TECHFLEETERS PVT LTD

Jaipur, India

- Architected and deployed production-grade REST APIs using Django and FastAPI, serving 10,000+ daily requests with 99.9% uptime
- Optimized complex SQL queries and database schemas, reducing query execution time by 40% for data-intensive operations
- Built responsive React.js web modules and Electron.js desktop applications integrated with backend microservices
- Collaborated with cross-functional teams to deliver end-to-end features, maintaining Git-based workflows with code reviews
- Debugged critical production issues and refactored legacy codebases, improving system maintainability by 30%

Django Developer

Jan 2025 – Jul 2025

WCO Global

Gurugram, India

- Developed full-stack web applications using Django, Django Templates, and React.js for dynamic user interfaces
- Integrated secure payment gateway systems for e-commerce transactions, handling sensitive financial data with PCI compliance
- Designed normalized database schemas and implemented CRUD operations with Django ORM for optimal data integrity
- Built authentication and authorization flows with role-based access control (RBAC) for multi-tenant applications
- Enhanced application performance and UI/UX through frontend optimization and API response time reduction

SDE Backend Engineer

Nov 2024 – Jan 2025

Online Savaari Private Limited

Kolkata, India

- Designed and developed RESTful APIs using Django REST Framework for scalable microservices architecture
- Integrated third-party APIs and implemented complex data transformations for real-time travel booking systems
- Optimized database queries and implemented caching strategies, improving API response times by 35%
- Ensured secure inter-service communication with token-based authentication and API rate limiting

Python Developer

Sep 2024 – Nov 2024

EXACKT TECHFLEETERS PVT LTD

Jaipur, India

- Built real-time chat application using Django Channels and WebSockets, supporting concurrent user connections
- Containerized applications using Docker for consistent deployment across development and production environments
- Managed large-scale datasets with PostgreSQL and MySQL, implementing efficient indexing and query optimization
- Contributed to full-stack features including portal website development with complex business logic

Web Developer

Aug 2023 – Jan 2024

Aara Groups

India

- Developed dynamic single-page applications (SPAs) using React.js with hooks, context API, and state management
- Integrated RESTful APIs ensuring efficient data flow between frontend and backend services
- Implemented performance optimization techniques including code splitting, lazy loading, and memoization

EDUCATION

M.G. Institute of Management and Technology

Oct 2024 – Oct 2027

Bachelor of Technology in Computer Science

Lucknow, India

Aryavart Institute of Technology and Management

Sep 2021 – Oct 2024

Polytechnic Diploma in Computer Science

Lucknow, India

CERTIFICATIONS & TRAINING

Advanced Diploma in Computer Application | Python Programming (Udemy Certified) | Web Developer Internship