**Mukesh Singh**

***Senior Software Engineer***

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**Professional Summary**

Results-driven Python/Django Developer with 3+ years of experience building scalable web applications and RESTful APIs. Expert in backend development with Python, Django, and FastAPI, complemented by strong database skills (MySQL, PostgreSQL) and cloud deployment (AWS, Heroku). Adept in Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA), Proven ability to deliver efficient solutions, improve system architecture, and collaborate in Agile teams.

**Skills**

**Languages:** Python, Microsoft Power Apps,

**Frameworks:** Django, Fast API, Flask, Django REST Framework

**Databases:** MySQL, PostgreSQL, SQLite

**Tools:** GIT, GitHub, AWS, Heroku, Beautiful Soup, SQLAlchemy

**Web Technologies:** HTML, CSS, JavaScript, jQuery, AJAX, JSON

**Concepts:** Object Oriented Programming, DSA

**Professional Experience**

**Python/Django Developer**

*Chetu India Pvt Ltd., Noida, Uttar Pradesh*

*(April 2022 – Present)*

* Developed 10+ Django-based web applications, improving performance by 25% through optimized code and database queries.
* Designed RESTful APIs with **Django REST Framework** and **JWT authentication**, reducing integration time by 30% for client projects.
* Deployed scalable applications on **AWS and Heroku**, achieving 99.9% uptime for critical systems.
* Built a clinic management system with pharmacy integration, cutting patient processing time by 20%.
* Mentored junior developers and conducted 50+ code reviews, enhancing team code quality.
* Contributed to system architecture by applying LLD and HLD principles, increasing maintainability and scalability.

**Python/Django Developer Trainee**

*Chetu India Pvt Ltd., Noida, Uttar Pradesh*

*(June 2021 – November 202)*

* Created RESTful APIs and web apps using Django and DRF, mastering authentication and database optimization.
* Improved SQL query efficiency by 15% during training projects, laying a strong technical foundation.

**Key Projects**

* **Client Management Application (MS PowerApps):** Built a **MS PowerApps-based** application to streamline client onboarding and activity tracking. Integrated with SharePoint and Excel to maintain centralized records. Increased team productivity by 15% by simplifying data input and retrieval through an intuitive UI.
* **Blog Application:** Designed and developed a full-featured blog platform using Django and PostgreSQL. Integrated user authentication, CRUD operations, comment moderation, comment, liking and tagging system. Implemented a responsive frontend with AJAX and jQuery. Achieved high performance and scalability using query optimizations and caching.
* **Automated Legal Data Processing System:** Developed a Python automation tool that uses web scraping and data parsing techniques to process legal documents from government sites. Improved document analysis accuracy by 40% and cut manual processing time in half and saving the data to database after cleaning the data using NumPy and Pandas.
* **Horse Feed & Growth Management Web App:** Engineered a Django-based application with user roles (admin, vet, caretaker) to manage horse nutrition schedules, feeding logs, and health tracking. Reduced scheduling conflicts by 20% with automated reminders and data validation.
* **Clinic Management System:** Developed a secure and scalable Django system that integrates pharmacy inventory, patient records, product catalog and appointment scheduling. Improved operational efficiency by 20% with real-time updates and access controls.
* **E-commerce Platform:** Created a Django-powered e-commerce site featuring secure payment gateways, cart and order management, and product catalogs. Boosted user retention by 10% through improved UI/UX and personalized shopping experience.
* **Web Scraping & Data Storage:** Implemented a robust Python scraper using BeautifulSoup and SQLAlchemy to extract and persist data from multiple websites. Optimized the extraction pipeline to process 30% more data in less time with error handling and retry mechanisms.

**Education**

**Bachelor of Computer Applications**

*Jiwaji University, Gwalior, Madhya Pradesh*

*(2014 – 2017)*