

Satyam Sharma

Backend Software Engineer (Django/Python/DevOps)

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GitHub: <https://github.com/satyamsharma3524>

Profile Summary

Experienced Software Engineer specializing in Python, Django and DevOps, with almost 3+ years of expertise in building scalable, high-performance server-side applications. Proven track record in optimizing REST APIs, managing production environments, and automating processes with Docker and AWS. Adept in deploying and maintaining cloud infrastructure, working with agile methodologies, and contributing to product development from conception to deployment.

Skills & Expertise

- Python, Django Framework, FastApi, DRF
 - REST APIs, Microservices Architecture
 - Docker, AWS (Amazon Web Services), Cloud Deployment
 - Git, Jira, Version Control, Linux/Unix Systems, Bash/Shell Scripting, SQL
 - Data Science: Numpy, Pandas, Matplotlib
 - DevOps: CI/CD pipelines, Docker, Linux, Kubernetes
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Professional Experience

IndiaIVF Fertility (Pashupati Lifecare) | Software Engineer (Django/Python/DevOps)

(Feb 2025 - Present)

- Led the back-end development team for internal hospital management software of a large hospital chain, optimizing server-side operations to improve performance, scalability, and reliability.
- Created and maintained Features used by Thousands of Internal Staff daily, improving system scalability and performance.
- Designed and implemented robust DevOps pipelines with Docker, Kubernetes, and

CI/CD workflows, ensuring high availability, seamless deployments, and minimal downtime across critical hospital systems.

- Integrated complex third-party services including Knowlarity, Exotel, DoubleTick, Razorpay, and AI providers like Anthropic AI, enabling advanced communication, payments, and AI-driven automation across platforms.

InstaAstro Technologies Pvt. Ltd. | Backend Software Engineer (Django/Python)

(Oct 2022 - Dec 2024)

- Led back-end development for a high-traffic astrology-based product, optimizing server-side operations.
- Created and maintained RESTful APIs used by millions of users daily, improving system scalability and performance.
- Developed automated Slack and WhatsApp bots, reducing manual intervention by 30%.
- Automated server management processes using custom Bash and Shell scripts, reducing server management time by 20%.
- Creating Reports and other analysis using Pandas and numpy for better customer analysis.

Freelance | Software Developer

(2021 - 2022)

- Worked with a team of developers on a German client project, improving website performance and user experience.
- Developed custom Wordpress templates and optimized modules for better functionality.

Projects

InstaAstro (Astrology service based Product)

Project link -- instaastro.com

- created back-end for a high-traffic astrology-based product, optimizing server-side operations.
- Created and maintained RESTful APIs used by 1+ lakh of users daily, improving system scalability and performance.
- Developed automated Slack and WhatsApp bots, reducing manual intervention by 30%.

Animatrixx (Library for Manga/Anime)

Project link - animatrixx.in

GitHub link -- github.com/satyamsharma3524/animatrixx_server

- Created project for Book/Manga Library with the use of Django and NextJS.
 - Fetching books from 3 different websites using Beautiful soup and scrapy and storing them to our Database and render it on our website.
 - Optimised DB queries using ORM and caching.
 - Containerize the app using Docker for cross-platform availability.
 - Created Git CI/CD pipelines for easier integration of code.
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Education

Master of Computer Applications | IGNOU, Noida

(2023 - 2026) — Pursuing

Bachelor of Computer Applications | Panjab University, Chandigarh

(2019 - 2022)