

Sandeep Chauhan

Software Developer / Django Developer

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Moradabad, India

SKILLS:

Proficient: Python, Django, Wagtail, DRF, PostgreSQL, Redis, Html, Css, Git/Github, Celery

Familiar: Flask, FastAPI, Javascript, React, jQuery, Alpine, Tailwind, Sass, Htmx, AWS, Heroku, Linode, Docker, Linux, Bash

EXPERIENCE:

Django Developer at [Remote Inning](#) (July 2021 - Present)

Core team member of [Hypha](#) (Open-source Application Management Software)

- Responsible for enhancing open-source software to optimize its operational efficiency, increase flexibility, enhance security, and ensure maintainability for both staff and applicants of [OTE](#) and other **adopters(currently around 10)**.
- **Boosted staff productivity by 20%** through strategic updates to the dashboard, improving task management via automated to-do list, and removing redundant information.
- **Decreased staff dependency on the development team by 30%** by providing feature flags and flexibility to manage features via Wagtail admin.
- **Reduced costs associated with third party contracting and invoicing software by approximately 70%**, achieved by directly incorporating those features into software for the Finance and Compliance team.
- **Enhanced security measures** by implementing Two-Factor Authentication(2FA), addressing existing bugs, and by adding more unit tests.
- **Impact:** Approximately 1 billion dollars are circulating through Hypha and around 2 billion people are affected directly or indirectly.

Part-time Django developer, [The Motley Fool](#) (Investment advice provider)

- Responsible for enhancing user experience and interactivity on public site.
- **Enhanced user interactivity** through the implementation of promotional popups, resulting in increased user engagement.
- **Improved staff productivity** by providing customized Django admin and Wagtail admin dashboards.
- Maintained and upgraded the packages and repositories for better performance and user experience.

Python/Django Developer at [Eoraa](#)(April 2020- August 2021)

- Led the backend team for key-door management software, **responsible for building and maintaining 100+ APIs** using DRF. These APIs served various purposes, including supporting customized admin dashboards, CMS and facilitating interaction with keyboxes, doors, and building maps.
- Created the automated pipelines and deployed the entire software on AWS, configuring multiple instances for development, staging, and production servers.

- Implemented WAF, classic load balancer, and other services to ensure a maintainable and scalable production environment.
- Successfully migrated an old PHP-based web app to a new tech stack using Django and PostgreSQL. **Achieved 10x reduction in database data migration time** through the optimization of queries and implementation of advanced techniques.

PROJECTS:

- **Hydra-python-agent:**

Implemented Redis as graph datastore for hydrus backend, used OpenCypher query language for seamless data query across the client. Dockerize the entire application. Contributed to this project as a [Google Summer of Code](#) student in 2018 and as a mentor in 2019. Main technologies used include Python, Redis, OpenCypher, and Docker.

- **Hydra-Astrodemo:**

Developed a web app utilizing the Hudrus APIs, hydra parser, and hydra client, primarily designed for demonstrating and testing the hydra client. Main technologies used include Flask and Redis

- **Backend APIs:**

Developed robust authentication APIs, implementing best practices such as JWT Auth, utilizing SendGrid for activation mail, incorporating user groups and permissions, structuring settings files for various environments, and deploying the application on heroku. Main technologies used include Django, DRF, JWT, sendgrid, PostgreSQL, and heroku.

- **Social Networking:**

Implemented a basic blog post web app using Python, Django, and PostgreSQL as the database. The app includes features like authentication, user profiling, and post-listing.

EDUCATION:

Bachelor of Technology (2016-2020)

Shri Mata Vaishno Devi University, Katra, India