

Sandeep Chauhan

Python/Django Developer

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Summary: I'm a Software developer who works to the Server side. I generally hack around the Backend(Python/Django) and explore the other tech for DevOps and Frontend work.

Experience

Django developer at [Remote Inning](#) (Jan 2020 - March 2020, May 2021- Present)

Worked on well maintained and established Open Source and Private Projects.

- Working on an open-source Submission Management Project(**Hypha**), making it easy to use by fixing its bugs and adding some new features.
- Working with **The Motley Fool**, helping them with their public site by fixing and adding some demanding features.
- Worked with Wagtail CMS and fixed some issues of an Open Source Project 'cookiecutter-django-foundation'.

Python/Django Developer at [Eoraa](#) (Apr 2020-Present)

Worked on multiple projects with different teams. Generally, Lead the Backend and manage DevOps with AWS, or Linode.

- Build a Key-Door management Software, a Japan Client's product(**Toyoko**), as a Lead Backend Developer and deploy it to AWS with multiple env(dev, staging, and prod). For its production, worked with WAF, Classic Load Balancer, and multiple ec2 instances.
- Optimize the Migration of Lakhs of data from CSV to DB(MySQL) and reduce its time around **10X** with the help of *bulk_create* and some other tricks.
- Build a ContactLess Menu application for the company as a side product, integrate Razorpay APIs and its webhooks for the payment, and integrate Instagram, Zomato, and Google APIs for images, Menu, and Reviews.
- Build and maintain the REST APIs of the mobile app, web app, and the CMS for **Mapple's** Software.
- Setup multiple background jobs including a mailing system with Celery and RabbitMQ.
- Sometimes directly worked with the Japan client to understand the exact requirement of the project and to propose to them a better solution.

Full-stack Developer at [Simfoni](#) (Feb 2021 - May 2021)

- Worked on Procurement software, added multiple features and fixed issues with Django and jquery.
- Implemented a chat based buy system, a smart chatbot with the help of jquery.

Full-stack developer at [Spoonshot](#) (May 2019 - Aug 2019)

I worked there under the supervision of a senior developer and my contribution was like:

- Scaled and improved the performance of web crawlers by adding some features and replacing some slow/old Python libraries.
- Build a proxy-manager for scraping framework with Django and Redis as a database.
- Dockerize the whole thing including scraping framework and proxy-manager.
- Implement a monitoring system with Grafana and InfluxDb, on the top of Crawler.

Google Summer of Code Student at [Hydra Ecosystem](#) (April 2018 - Aug 2018)

Worked on a project "Implement Redis as a Graph Datastore" under the **GSOC'18** program. I completed these major tasks during that period of time:

- Implement a Python-based command line tool [Hydra Client](#)(on the top of Hydrus Server with Redis database).
- Dockerize everything, client and the database server and deploy it on GCP.
- Build a web app to integrate the command line APIs and convert it to Hydra web client.

Open Source Contribution

- [Hypha](#) Working with the team to make it more simple. Generally, I work on the features or bugs reported by OTF.
- [hydra-python-agent](#) I was the main member of this project who starts it from scratch. I have implemented Redis as a graph database using redisgraph and OpenCypher.
- [hydrus](#) Update primary id with UUID in most of the models, add API documentation with ReadtheDocs using Sphinx, and fix some easy issues.
- [hydra-astrodemo](#) Created a demo for hydra-client using flask with the use of the hydra-parser and hydrus server.
- <http://apis.github.io> Write documentation for all the work done by me and also for some other projects related to my work.
- Many small fixes in other Open Source projects like coronasafe-care, etc.

Projects

- [Backend APIs](#)
It contains all the basic APIs with almost all the best practices like JWT Auth, use of SendGrid to send activation mail, User Groups and Permissions, usage of settings file in different environments, and the best way to define API endpoints and most importantly it is also live on Heroku.
- [Friends](#)
An anonymous web chat app implemented with Python, Django, Reactjs with database sqlite3 has some great functionalities like token authentication, public and private groups(without showing users' names), REST APIs, messaging/posting, API's data rendering using Reactjs.
- [Social Networking](#)
A blogpost web app that is implemented using Python, Django, and PostgreSQL as a database having features like authentication, profiling, and blog(with date and name). It is also deployed on Heroku.

Education

- **Bachelor of Technology**
Shri Mata Vaishno Devi University, Katra, India

Skills

Backend Development: Python(Django, Wagtail), Golang

Frontend Development: React.js, jQuery, HTML and CSS, JS

Databases: PostgreSQL, MySQL, Redis, MongoDB, SQLite

Operating System: macOS, Linux(Ubuntu)

Other tools: Git, Bash, AWS, Docker, Celery, RabbitMQ, Grafana, InfluxDb,