

Sandeep Chauhan

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Summary I have good experience with Python and Django. I am working with Python for around 3 years. It's all started with Google Summer of Code 2017(around June).

Experience

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

I have worked with multiple teams here for different projects. Here are my major responsibilities:

- Build and maintain the REST APIs with the use of DRF for mobile apps, CMS, and web apps.
- Manage deployment of the project with AWS, and Linode.
- Maintain and create background tasks like the auto-creation of the subdomains or to send automated emails with the help of Celery and RabbitMQ.
- Maintain the Database stuff including Django Migrations and Data Migration.
- Understand the Client requirements and suggest a good solution to implement.
- Sometimes I work with the query optimizations and handle multiple projects at a time.

Django developer(contract) at [Remote Inning](#) (Jan 2020 - March 2020)

I worked there on really good things, that was very insightful. Here are some major tasks I was involved in:

- Developed the backend APIs with almost all best practices like JWT auth, SendGrid to send emails, Permissions, Generic Views of DRF, Middlewares, etc.
- Worked with Wagtail CMS including its good features like RichTextField and StreamField.
- Worked with an Open Source Project 'cookiecutter-django-foundation'. Update its foundation's version and fix other small issues.

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

I worked there under the supervision of a senior developer and I implemented many tasks like:

- Scaled and improved the performance of web crawlers, implemented using Python/Django. Add multiple functionalities to make it simpler.
- Worked on a proxy-manager for the scraping framework with Django and Redis as a database.
- Dockerize the whole thing including scraping framework and Celery/RabbitMQ.
- Implement a monitoring system with Grafana and InfluxDb.

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

I got selected for GSoC'18 and my main project was to implement "Redis as a Graph Datastore". I completed these major tasks during that time:

- Implement a Python-based web client [Hydra Client](#)(on the top of Hydrus Server with Redis database).
- Dockerize the whole thing, client and the database server to deploy it on GCP.
- Build a simple web app for the demo of the web client.

Open Source Contribution

- [hydra-python-agent](#) I was the main contributor under the supervision of a few mentors. I have implemented Redis as a graph database using redisgraph and Cypher.
- [hydrus](#) Update primary id with UUID in 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, and 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 have some great functionalities like authentication, public and private groups(without showing users), API's, messaging/posting, API's data presenting using Reactjs.
- [Social Networking](#)
A blogpost web app that is implemented using Python, Django, and PostgreSQL as a database having features like authentication, profiling, 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, HTML and CSS, JS

Databases: PostgreSQL, MySQL, Redis, MongoDB, sqlite

Operating System: Linux(ubuntu)

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