

Sandeep Chauhan

Software Developer

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Summary: I'm a Software developer with 3+ years of professional experience. I work with Python, Django (including DRF), and Wagtail CMS for backend development. For frontend development, I prefer CSS frameworks and JS frameworks like React.js. I am also an active Open Source contributor with several contributions to many famous projects.

Experience

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

[Hypha \(Open Technology Fund\)](#)

- Working in the core team of an Open Source Project(Hypha).
- Working with the [OTF](#) requirements and providing the features support to the other adopters.
- Added a customized Two Factor Authentication(2FA) support to enhance the security and the user experience at the same time.
- Replaced Hubot with Django-slack and save an extra instance cost(around \$250) for each adopter.
- Write unit tests for the new features and work on other business-related tasks.

[The Motley Fool](#)

- Providing support to The Motley Fool, helping them with their public site by fixing and adding some demanding features.
- Worked on customizing django-admin, wagtail admin dashboards, session-based promotional pop-ups, wagtail pages, cache-related issues, and many other internal issues.

Python/Django Developer at [Eoraa](#) (Apr 2020-Jun 2021)

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

[Toyoko](#)

- Worked with a Japan-based client to build a Key-Door Management Software, as a Lead Backend Developer,
- Build and maintain 100s of APIs using DRF and provided a very customized admin dashboard with the help of the Jet dashboard.
- Deployed it to AWS, multiple env(dev, staging, and prod), with automated pipelines. For its production, worked with AWS WAF, Classic Load Balancer, and many other services. It also recently got funded by the Japanese govt.

[Mapple](#)

- Build and maintain the REST APIs for the mobile app, web app, and custom CMS for a Japanese travel advisor, Mapple's Software.
- Optimized the Migration of Lakhs of data from CSV to DB(MySQL) and reduced its migration time by around 10X with the help of *bulk_create* and some other tricks.

FoodGenix

- Build a ContactLess Menu application for the company as a side product, integrate Razorpay APIs and its webhooks for payment, and integrate Instagram, Zomato, and Google APIs for images, food menus, and reviews.
- Set up multiple background jobs including a mailing system with Celery and RabbitMQ.

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

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

- Scaled and improved the performance of automated web crawlers, build a proxy manager for scraping framework, and dockerize the whole thing including scraper and proxy-manager.
- Implemented a [monitoring system](#) with Grafana and InfluxDb, on top of Crawler.

Open Source Contribution

- [Hypha](#): Working with the core team to make it more simple and easy to use.
- [hydra-python-agent](#): I worked on this project as a [Google Summer of Code Student/Mentor](#) under [Hydra Ecosystem](#). It started with the idea of using Redis as a graph datastore for the hydrus backend.
- [hydrus](#): It is a primary repo of [Hydra Ecosystem](#) and I worked on top of it to provide an API client. Updated primary id with UUID, added API documentation with Sphinx, and fixed some other issues.
- [hydra-astrodemo](#): I developed a simple web app to show the demo of [hydra-python-agent](#)([my GSoC work](#)) with the help of [hydra-parser](#) and [hydrus server](#).
- [http-apis.github.io](#): Updated documentation for the work done by me during the GSoC programs.
- Many other small fixes in multiple projects/repos like [kivy](#), [fossasia-mellix](#), [coronasafe-care](#), [django-multitenant](#).

Projects

- [Backend APIs](#)
It contains all the basic APIs with almost all the best practices like JWT Auth, the use of SendGrid to send activation mail, user groups and permissions, structured settings files for different environments, and the use of nesting on endpoints to show the relationships and it is live on Heroku as well.
- [Social Networking](#)
A blog post web app implemented using Python, Django, and PostgreSQL as a database has 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, DRF, Wagtail), Golang

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

Databases: PostgreSQL, MySQL, Redis, SQLite

Operating System: macOS, Linux(Ubuntu)

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