SWATI JAISWAL

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EXPERIENCE

Senior Software Engineer | Backend

Signeasy   📅 May 2021 - Present   📍 Bengaluru, India

- **Platform Engineer | gin-gonic, MySQL, redis, Django, Flask, Docker, AWS SNS, SQS**
  - Identified and addressed key bottlenecks in the system, resulting in nearly **~2x performance**. This involved re designing and implementing two core micro services using **Clean Architecture** along with DB schema refactor, which laid the foundation for future scalability. Throughout this large-scale project, I seamlessly collaborated with the entire team to ensure a smooth transition.
  - Migrated an existing micro service from legacy version which made it easily maintainable.
- **Integrations Engineer | Oauth2 SDKs, MS-Graph, AWS Lambda, SNS, Apache Airflow**
  - Built capability to archive files in user's SharePoint drive after signing in the system. This has been one of the selling point for our SharePoint integration.
  - Implemented data transformation pipelines to improve usage metrics accessibility for the marketing team hence boosting their efficiency.

Civic Tech Engineer | Full Stack

CivicDataLab   📅 Oct 2018 - July 2020   📍 Remote, India

- **Full Stack Engineer | CKAN , Python, Javascript, Bootstrap**
  JusticeHub: An open data platform for legal data sharing with ~10 data contributors from various legal institutions across India.
- **Data Engineer | Scrapy, Apache Airflow, Pandas, Apache Superset**
  Wrote a scalable ETL pipeline to scrape case law data from eCourts across **~300 district courts** in India with **~1L cases** and for Himachal Pradesh Fiscal Data Explorer's **80k+ records** both updated on a daily basis. Co-develpoed **Analytical Dashboards** for legal data related to Child Sexual Abuse in India.
- Hiring, onboarding new team members, forming policies, preparing project proposals, interacting with partner organisations, writing blog posts etc.

Junior Python Developer

Scrapinghub   📅 Jul 2017 - Jul 2018   📍 Remote, Europe

- Developed Web Scraping solutions for our clients while tackling **anti bot systems** like Incapsula, Captcha, APIs, javascripts etc. **Scrapy**

Hacker Intern | Backend

Doselect   📅 Jan 2017 - Mar 2017   📍 Bengaluru, India

- Developed a webcam proctor for recruiting tests.
  openface | dlib | Google Vision API
- Wrote API for Doselect's programmer QA forum. **Tastypie**
- Built the test creation wizard for client companies' programming tests.
  ElasticSearch API | django-haystack

WORKSHOPS/TALKS

- Talk on *"Fantastic Indian Open datasets & where to find them"* in **ODSC India (2019).**
- Talk on *"How to get started with open source"* for women & underrepresented groups in tech in **PyCon India (2016).**
- *"Python 101"* at Vivekanad Institute of Technology(VKIT), Bangalore, India (March 2017).
- Workshop at Acropolis Institute of Technology and Research on *"Web Development using Python"* (April 2016).
- Workshop at **Diaspark Inc.** on the topic of *"Automation using Python"* **(September 2014).**
- Workshop for Rural Students on Elementry Computer Education (2014).

MOST PROUD OF

Ownership
for a large scale re architecture project.

Dedication
for creating a shared open data platform for legal data in India.

Persistence
to make it to the **Outreachy May-Aug 2016** round.

SKILLS

Programming

Python, HTML, CSS, Bash, JavaScript, SQL, Golang.

Web/Mobile Dev

Web Application Architecture, Microservices Architecture, Server Setup, Automation • Django, CKAN, Bootstrap, Flask, Gin, Tastypie, Nginx, Gunicorn, Ansible, Apache Airflow, RDBMS, Sequelize, gorm, web hooks, Docker.

Data

Scraping, Parsing, Munging, Pipelining, Modeling, EDA, Basic Visualization • Requests, Scrapy, BeautifulSoup, Sqlite, Pandas, Apache Superset, Altair.

EDUCATION

M.Tech in Information Technology

Devi Ahilya University   📅 Jul 2012 - Dec 2017

OPEN SOURCE CONTRIBUTIONS

- CPython(2015): Got two patches merged: #25913, #25822.
- Python Express(2015-16): contributed to **PSSI sponsored** open source platform for conducting & managing Python workshops; with **over 50 merged commits**.
- Openbudgets.in(2016): contributor for **CBGA driven** open data portal for **analysing budgets in India**.
- Staticman

OPEN SOURCE PROJECTS

- Sjdownloader(2014): Cross platform desktop based downloader **wxpython**
- Py-google-auth(2016): Headless implementation of Google web login (with 2FA). **python-requests | BeautifulSoup | Falcon**
- Cryptanalyzer(2016): A web application for comparing encryption algorithms' performance. **Django | pycrypto | python-blowfish | nvd3**
- IIPS mobile app(2015): Hybrid mobile app for college. **Ionic | Express.js | PostgreSQL | Sequelize**

PUBLICATIONS

👥 Conference Proceedings

- Prajapat S., Porwal A., Jaiswal S., Saifee F., Thakur R.S. (2018) **Generalized Parametric Model for AVK-Based Cryptosystem**. In: Perez G., Mishra K., Tiwari S., Trivedi M. (eds) Networking Communication and Data Knowledge Engineering. **Lecture Notes on Data Engineering and Communications Technologies, vol 4. Springer, Singapore**. https://doi.org/10.1007/978-981-10-4600-1$_2$0