PRASHANT GOYAL

Software Development Engineer (Backend)

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💼 PROFESSIONAL EXPERIENCE

Backend Engineer - SDE-I, *Innovaccer Pvt Ltd.*   Jun 2019 – Sep 2021

- Designed and developed Large Scale REST APIs in Python (DRF and FastAPI)
  - Used Microservice architecture for rapid end-to-end deployment of backend services
  - Enforced Agile methodology and Test Driven Development approach with high coverage
  - Mainly used MongoDB for document storage, LRUCache & Redis for caching and Celery for scheduling background jobs to call other services

- Hands on experience working with various DevOps tools
  - Docker containerization of all backend services
  - Ansible to run all pre & post deployment steps for smooth functioning of services
  - Jenkins Pipeline setup for the regular deployment
  - Continuous Integration (GitLab) to automatically build & push docker images

- Automated many deployment steps (Ansible) reducing the dependence on ad-hoc scripts

Intern (Backend, Web Crawler) - Data Analytics, *Valiance Solutions Pvt Ltd*   May 2018 – Jul 2018

- Assisted Machine Learning team in data extraction
- Build a generalised crawler for scraping *n* number of websites with bouncing IPs.
- Build crawlers for Google Adwords, Google Scholar
- Developed a crawler for carefully gathering data from 9000 pages of a website.

🧠 SKILLS

Backend

Python, AWS, DRF, Django, FastAPI, Pandas, Git, Docker, Flask

Database

MongoDB, Redis, PostgreSql, Amazon Redshift, ElasticSearch

Others

REST API, Websockets, Celery, Ansible, Jenkins, Scikit-Learn, Keras

🎓 EDUCATION

Indian Institute of Technology (BHU) Varanasi,   Jul 2015 – May 2019

B.Tech - Chemical Engineering and Technology (7.91/10)

- Institute Projects
  - Built a Word Complexity Identification system.
  - Graph similarity using High-Performance Computing algorithms.
  - Worked on increasing the catalytic activity of γ-Alumina - a catalyst.

📁 PROJECTS

Self Learning Projects

- Text and music notes generation using LSTMs
- Created blog using NodeJS, Django and Flask
- Content-based recommendation system, Tweets Sentimental Analysis
- Sum of squares of 2 Numbers Using Neural Nets
- Streamlit apps like dashboards and a resume page

📚 COURSES

Full Stack Web Developer Bootcamp, *Udemy*

- Learnt all about the web protocols, http requests, headers, sessions, tokens, authentication and authorization
- 43 hours course on full stack web development covering Jquery, JavaScript, NodeJS, Bootstrap,
- MongoDB, Heroku, RestAPI, EJX, SemanticUI