

PRASHANT GOYAL

Software Development Engineer (Backend)

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PROFESSIONAL EXPERIENCE

- Full-Stack Engineer - Senior Software Developer, XTEN-AV** Sep 2023 – present
- Built the payment processor and subscription module for recurrent billing
 - Developed a notification system for failed payments that reduced the churn rate by 7%
 - Developed a client notification system informing clients of subscription & credit card expiration
 - Helped fix a billing and quotation system by modularizing and organizing the codebase
 - Collaborated with product team to stabilize the core product by addressing a high number of bugs
 - Coded software updates and alterations based on modest design specifications
- 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 to achieve high coverage
 - Mainly used MongoDB for document storage, LRU Cache & 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
 - Automated many deployment steps (Ansible) reducing the dependence on ad-hoc scripts
 - Jenkins Pipeline setup for the regular deployment
 - Continuous Integration (GitLab) to automatically build & push docker images
- Intern (Backend, Web Crawling) - 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 Indian Universities' websites.

SKILLS

Backend

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

Database

MongoDB, Redis, PostgreSQL,
Amazon Redshift/RDS,
ElasticSearch

Others

REST-API, Ansible, Jenkins,
Websockets, Pandas, Keras,
Celery/Cron-jobs

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 blogs using NodeJS, Django and Flask
- Content-based recommendation system, Text Sentiment Analysis
- Designed neural nets to compute and model various mathematical functions
- Multiple dashboards and a resume page using Tableau and Streamlit