

Neha Raina

Senior Software
Engineer

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Skills

Python 3, Django REST Framework, FastAPI, Litestar, OOPs
Docker & Kubernetes, Helm, Airflow, Panda, ArgoCD, SQL
Github, Kibana, AWS Codebuild, Kubernetes, IAM
CloudFormation, AWS KMS, AWS RDS

Experience (Total : 10 years)

CommonWealth Bank of Australia / Senior Software Engineer

Jan 2023 - PRESENT, Bengaluru

Worked on a PoC to trigger airflow dags using Django REST API using airflow client library.

Implemented API's in DRF to - publish payload to airflow dag ---
preview API to get preview view of the payload & generate API to
create & store payload in DB.

Created the CI/CD pipeline using aws codebuild which will push the
MS as image in Jfrog artifactory.

Deployed the MS image and its configuration file via helm template
in AWS kubernetes cluster.

Design the solution for creating a customisable portal instead of
multiple portals to raise firewall requests

a.) Implemented backend APIs to save, perform flow validation &
review information.

b) Design the database schema to store the data.

c) Design and Implement the airflow dags to create two jiras and
link them together and store the status in database.

J.P Morgan Chase & Co./ Software Engineer

Jun 2021 - Jan 2023, Bengaluru

Working as a python backend engineer.

Wrote a backend feature to access changing market data on Trade Insight on Athena Reactive Circuit.

Wrote a scheduler to fetch data from Hydra DB to store in custom table built using Athena Ace Framework. Wrote a client forwarder layer which will subscribe to the data in Athena Ace table & via web socket request will send the data to the client.

Re-wrote a Java service into Python to using Athena custom API's to publish data to Kronos..

Wrote a backend service to fetch data from Ace table using Athena Ace framework to insert data to SQL server by calling a SQL procedure.

Fidelity International Limited / Software Programmer

Jan 2020 - Jun 2021, Gurgaon

Working on some implementing new features & fixing bugs and use-cases on Fidelity website on Django Framework. Also working on writing unit tests cases.

Implemented logic to automate & send email for manual health monitoring of the website.

Wrote logic to crawl all web links on home page using Beautiful Soup to verify reachability on all web links.

Accenture / Software Engineer

Jun 2016 - Dec 2019, Gurgaon

Project- Mondelez

Two years of experience in analysis, development and implementation of various Client - Server applications & internet web applications using Python/Django mainly as a backend developer.

Implemented Rest API to handle user profile creation/updation, login & authentication using DRF.

Implemented logic to geocode addresses to latitude & longitude using GeoPy library. The confectionary store addresses were loaded into database using SQL script, and the user also had an option to add new address & add a CSV file with list of addresses. Wrote logic to provide upload/download functionality to user,

where user can also download file with coordinates listed in new column. Also implemented feature to display coordinates on map interface using folium & to show distances between data points on map to the user.

Wrote front/backend functionality to display home view (listing of all confectionary items) and a detailed view page to display details w.r.t specific product. Also wrote a suggestion feature for main page in which a user may enter a wrong name of the item (mistakenly) in the search box, but the suggestion feature will display the closest matching items to that name.

Worked on bugs/features related to the customers use-case threads. Manage highly available and fault tolerant infrastructure in Azure devices like switch routers. Previously performed DHCP and other manual static task in IPAM tool according to changes referred by client.

HCL Tech / Systems Engineer

Oct 2014 - June 2016, Gurgaon

Project- Nokia

Work closely with engineering and operation teams to Identify automation opportunities and solutions to currently manual work practices Implemented cleansing operation on data generated from web logs with automated scripts in Python. Performing implementation related to new requirement Implemented IOS upload on network.

Education Qualification

HEC, Kurukshetra University/ B.Tech

August 2009 - June 2013, Gurgaon

CGPA - 7.2