

Technologies: TDS Telecom Software Engineer

API / Web Service Frameworks

FastAPI, AIOHTTP, Flask, Django, Django REST Framework, HTTPX, Swagger Documentation, Swagger Specification, jQuery, jQuery DataTables

Data / Data Flow Frameworks

Apache Kafka, Faust, RabbitMQ, Celery, Oracle, cx_Oracle, SQLAlchemy, PL/SQL, Couchbase

Testing / Code Quality Frameworks

pytest, Flake8, tox, SonarQube, python-versioneer

Continuous Integration / Continuous Delivery

Jenkins, GitLab Webhooks, Python Package / Image building, Red Hat OpenShift Pods / Containers, Distributed Systems

General Python Libraries

asyncio, pydantic, NumPy, pandas

General Technologies

Git, GitLab, Linux administration, Elasticsearch, Kibana, Jira, Agile

Languages

Python 3.8, Python 3.6, Jinja2, HTML / CSS / JS

Roles / Duties / Achievements

- **Python 3.6:** Designed, developed, deployed, and maintained an Apache Kafka data flow framework across a distributed system that provides customer data to various downstream, customer-facing TDS Telecom applications.
- **Python 3.8:** Designed, developed, deployed, and maintained various APIs, Adapters, and Kafka services for the management and delivery of customer data in TDS Telecom's transition to Salesforce's customer data model.
- **Python 3.6:** Designed and developed Django-based web services to replace deprecated TDS Telecom desktop applications used by TDS Telecom employees.
- **Deployment:** In charge of the majority of Python app deployment for my team. Deployments utilized Jenkins along with CI/CD principals to serve applications to distributed systems either on Virtual Machines or Red Hat OpenShift Pods and Containers.
- **Interviews:** Ran technical coding sections of interviews for prospective Python contractors.
- **General:** Experience in independent problem solving, tech leading projects, delegation of work to other developers, and the general workflow of 2-week Sprint cycles.