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

Design
Object Oriented Programming, functional programming, asynchronous and synchronous design

Patterns
Factory, adapter, decorator, chain of responsibility, observer, prototype, iterator

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.