

Job Title: Python Engineer C12

Location: Irving, TX

Duration: 6 months contract

Pay Range: \$65/hr on w2 (Open for H4, GC EAD< GC , USC)

About TSR

TSR is a trusted staffing and workforce solutions partner with more than 50 years of experience delivery highly qualified talent to support clients' most critical business and technology initiatives. Through a disciplined approach to sourcing, candidate vetting, and delivery, TSR helps organizations scale teams quickly while maintaining quality and reliability. TSR operates with a global delivery model, leveraging specialized teams to support enterprise clients across North America and beyond.

In June 2024, TSR was acquired by Justin Christian, founder and CEO of BCforward, a global provider of professional services and workforce solutions. This partnership expands TSR's ability to deliver broader capabilities, global delivery resources, and enhanced opportunities for both clients and consultants.

Job Description

We are seeking a **Python Engineer C12** to join our team. The ideal candidate will have strong experience in **Python, SQL, and data engineering for server-side applications** and a proven ability to **design, build, and deploy analytical and machine learning solutions**.

Responsibilities:

- Design, develop, test, and support Python-based applications and analytical solutions.
- Extract, cleanse, transform, and analyze structured and unstructured data.
- Develop and enhance predictive and prescriptive models using statistical, ML, and AI techniques.
- Support implementation of ML solutions across development and production environments.
- Apply object-oriented programming and engineering standards to deliver quality solutions.
- Collaborate with business, technology, and data teams to translate requirements into solutions.

- Contribute to design, coding, testing, debugging, and deployment activities.
- Participate in model development, monitoring, and performance evaluation.
- Utilize Python and SQL to develop scalable analytical solutions; work with Spark or PySpark as needed.
- Develop and maintain automation and scripts using Linux and shell scripting.
- Implement unit testing and support test-driven development practices.
- Document technical solutions, methodologies, and processes.
- Stay current with ML, DL, LLMs, and GenAI trends and tools.
- Adhere to technology risk, security, compliance, and control requirements.

Required Skills & Qualifications:

- Proficiency in Python and SQL; experience with Spark or PySpark, and frameworks such as TensorFlow or similar.
- Experience building applications and analytical solutions in Python.
- Familiarity with ML concepts, model development, and AI technologies.
- Knowledge of Linux environments and shell scripting.
- Strong analytical and problem-solving skills with effective communication.
- 2–5 years of experience in software engineering, data science, ML, or advanced analytics.
- Bachelor's or Master's degree in Computer Science, Data Science, Statistics, Mathematics, Engineering, or a related quantitative field.

Preferred Skills:

- Exposure to GenAI and LLM-based solutions.
- Experience with distributed computing technologies such as Hadoop, Hive, or Spark.
- Experience in banking, financial services, or risk management.
- Familiarity with credit risk, capital markets, financial instruments, or quantitative modeling.
- Understanding of SDLC, CI/CD, and cloud-based development environments.