

## **DFS – IT Consultant Master**

### **Short Description:**

The District of Columbia's Department of Forensic Sciences (DFS) is seeking to engage an IT Consultant to provide high level ITL and database

16+ years of experience. Coordinates IT project management, engineering, maintenance, QA, and risk management.

### **Skills/Required Years of Experience:**

16+ yrs planning, coordinating, and monitoring project activities (Required 16 years)

16+ yrs leading projects, ensuring they are in compliance with established standards/procedures (Required 16 years)

Bachelor's degree in IT or related field or equivalent experience (Required 20 years)

JusticeTrax LIMS V3.7 and V3.8 (Required 1 year)

SQL Server database and SQL (Required 16 years)

Python, JavaScript and Java (Required 2 years)

Enterprise Architecture and .Net (Required 10 years)

Technology Strategy (Required 10 years)

IT Consulting (Required 10 years)

Data warehousing (Required 10 years)

Big Data Analysis (Required 5 years)

STaCSDNA (Highly desired 1 Year)

DFS AIS system (Required 1 year)

Forensic Technology (Desired 2 years)

### **Complete Description:**

DFS was established by the Department of Forensic Sciences Act of 2011 by the District of Columbia City Council and became operational as an agency on October 1, 2012. The Department's mission is to provide "high quality, timely, accurate, and reliable forensic science services...[using] best practices and best available technology; a focus on unbiased science and transparency; and the goal of enhancing public safety". DFS is in the process and will continue to implement new IT systems to support its mission and requires a Project Manager to manage and coordinate the activities across the agency.

DFS is implementing a number of IT systems across the agency which includes a Laboratory Information Management System (LIMS) environment to provide data and case management across all its laboratories, manage the forensic information resulting from analysis and evaluation, and maintain the Chain of Custody for all crime scene evidence and public health specimens within the laboratories.

Additional IT Consultant expertise is required and must have at least 10 years of experience in IT consulting and software development. The IT consultant must have experience in helping large organization set technical strategies; at least 15 years of experience in Software architecture including large scale enterprise

systems. Experience working with scientists and scientific systems; including experience with key forensics sciences such as DNA (Genomics) analysis, data analysis, large data sets, and various forensics systems such as AIS, STaCSDNA, Chemware/Horizon PHL LIMS, JusticeTrax LIMS, and LIMS systems in general is required.

Must have experience with designing and building systems for storage and processing of large data sets (petabyte or larger), data warehousing and data analysis of Scientific Data including DNA (Genomic) analysis and forensics systems technical plans, design enterprise systems and software including configuration and deployment plans. The software design and development must utilize existing technologies such as Windows Servers, SQL Server and Oracle, Python, Javascript and SQL without requiring licenses and cost to the department.

The IT consultant will set strategy and provide advice to the DFS in acquiring new technology, develop technical design and do hands on software development using technologies such as Python, JavaScript, .NET, SQL, SQL Server, Oracle database, Windows and Unix systems. Consultant must have experience in systems security and be able to configure and conduct penetration testing using KaliLinux. Project management experience in both Rational Unified Process and Agile methodology to lead the development team and manage projects across multiple departments and labs is also required.

**Responsibilities:**

1. Coordinates IT project management, engineering, maintenance, QA, and risk management.
2. Plans, coordinates, and monitors project activities.
3. Develops technical applications to support users.
4. Develops, implements, maintains and enforces documented standards and procedures for the design, development, installation, modification, and documentation of assigned systems.
5. Provides training for system products and procedures.
6. Performs application upgrades.
7. Performs, monitoring, maintenance, or reporting on real-time databases, real-time network and serial data communications, and real-time graphics and logic applications.
8. Troubleshoots problems.
9. Ensures project life-cycle is in compliance with District standards and procedures.

**Background check is required, if selected for the position.  
There are no reimbursable expenses allocated to this position.**