

## Job Opening

**Job Posting:** January 2022

**Application Deadline: 30 days or  
until position is filled**

**JOB TITLE:** Data Scientist

**LOCATION:** NYC

**DEPT:** IT

### **BASIC FUNCTION:**

Lead a team to architect and design Software as a Service (SaaS) and cloud-based web and mobile technology solutions in support of ESD's MWBE related business requirements under the general direction of the IT department and Executive Director of the Division of Minority & Women's Business Development (MWBD). Applicant must possess a proficient knowledge of current Web, Mobile and Microsoft Application Development platforms, cloud infrastructure and SaaS tools and programming languages. Applicant must be able to work both independently and in a team environment. Duties will include: application design and coding, system installation/maintenance, diagnostics/performance monitoring, project management, end user support, training, system disaster recovery, application testing and documentation as well as to provide technical assistance in any other area of IT as directed by department managers.

### **WORK PERFORMED:**

- Analyze business requirements and develop project plans and timelines that utilize available application development technologies to improve organizational business functions
- Research, design and implement innovative technology platforms, taking on an active role in all stages of the application development life cycle
- Provide Data Analysis and Ad Hoc reporting as required by application users and ESD Management
- Liaise with project managers, end users and 3<sup>rd</sup> party vendors in support of application requirements
- Research new technologies to improve professional knowledge and maintain an industry current skill set
- Knowledge of Cloud technologies such as AWS
- Familiarity with programming for data analysis; Python and SQL
- Solid oral and written communication skills, around analytical concepts and methods
- Experience with machine learning and Artificial Intelligence (AI)
- Ability to work independently and with team members from cross divisions and different backgrounds
- Drive the continuous evolution of best practices for implemented platforms
- Design and implement a variety of training programs
- Create workflow, SOP (standard operating procedure) and technical specification documentation and diagrams
- Monitor and Optimize Application Performance
- Optimize Application Code
- Assist with IT Disaster Recovery efforts, testing and documentation
- Perform other related duties and / or projects as directed by IT Management.

**EDUCATION & REQUIREMENTS:**

Education Level required: Master's degree in computer science, social science, mathematics, statistics or engineering. Additional years of experience can be considered with Bachelor's degree.

Relevant experience required: Minimum of 8 years' extensive experience in a related field.

Knowledge required: Strong proficiency with developing web and mobile applications, Visual Studio 2015+, Microsoft SQL Server 2016+, C#, ASP.Net, Java, Python, PHP, JavaScript (jQuery Angular), HTML 5, Mobile IOS and Android application development platforms, Microsoft Office applications and Microsoft Operating Systems. Experience with Application API's (REST, SOAP, Oauth); Experience with Crystal Reports 11.x, Power BI, and Tableau are a plus; Ability to work with a diverse group of people at both a functional and technical level and communicate at a level appropriate to audience;

Ability to work both independently and as part of a team;

Strong written and verbal communication skills.

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**APPROXIMATE HIRING SALARY:** Commensurate with Experience (w/ comprehensive benefits package)

**External Candidates:** *Send resume or inquiry to HR: [resumes@esd.ny.gov](mailto:resumes@esd.ny.gov), indicating job title in subject line and salary requirement in email body*

**Internal Candidates:** *Complete [Posting Application](#) and attach a copy of resume*

**WE ARE AN EQUAL OPPORTUNITY EMPLOYER COMMITTED TO DIVERSITY**