

**City of New York**  
**Department of Information Technology & Telecommunications**  
**Job Posting Notice**

<b>Civil Service Title:</b> Computer Specialist (Software)	<b>Level:</b> 04
<b>Title Code No:</b> 13632	<b>Salary:</b> \$89,383/\$102,791 - \$118,000
<b>Business Title:</b> Cyber Security Engineer	<b>Work Location:</b> Brooklyn, NY
<b>Division/Work Unit:</b> IT Security	<b>Number of Positions:</b> 3
<b>Job ID:</b> 241011	<b>Hours/Shift:</b> Due to the necessary technical duties of this position in a 24/7 operation, candidate may be required to be on call and/or work various shifts such as weekends and/or nights/evenings.

**Job Description**

**WHO WE ARE:**

The NYC Department of Information Technology & Telecommunication (DoITT) is New York City government's technology leader. Our mission is to modernize IT infrastructure and service delivery in government; implement state-of-the-art information technology solutions to improve public services; make government more transparent and accountable; and employ cutting-edge tools, methods, and partnerships to empower New Yorkers. Our services touch every aspect of City life: from public safety to human services, from education to economic development, our services cross the full spectrum of governmental operations. To fulfill our mission, we develop and support applications, maintain efficient and reliable computing and network platforms, develop sophisticated security tools and policies, and ensure the reliability of IT infrastructure and enterprise systems through redundancy and disaster recovery planning. We also negotiate service agreements with telecommunications providers doing business with City agencies, and administer franchise agreements with telecommunications and cable television providers that serve NYC residents.

**THE OPPORTUNITY:**

As the City's IT leader, DoITT is engaged in a multi-year, dynamic evolution in its city wide cyber defense and information risk strategy. A Cyber Security Engineer that joins this program now has the opportunity to participate directly in a significant phase of this evolution: including evaluation of and deployment for industry leading and internally grown security technologies and platforms (from beyond the perimeter to the endpoint), collaboration with analysts to provide solutions addressing the full cyber event and incident response life cycle, and working with operations to maintain integrity and confidence in the performance of NYC's technology defenses. Most importantly, the NYC Cyber Security Engineer has the opportunity to contribute daily to New York City's defense against threats spanning the entire adversary landscape.

**WHAT YOU WILL DO:**

From within New York City's Citywide Cyber Division's Cyber Security Engineering team, with significant interaction with the Cyber Security Operations Center analysts and Cyber Operations functions, the Cyber Security Engineer will:

- Research, evaluate and design cutting edge enterprise security solutions such as NGFW infrastructure; DNS/DNSSEC; enterprise MTA and NGFW infrastructure; and Data Loss Prevention (DLP) technology;
- Drive Proof of Concept and skunkworks technology projects to mature NYC's Cyber defenses;
- Implement appropriate assurance levels, firewall policy evaluations, next-generation threat prevention designs, SSL encryption/decryption strategies, vulnerability protection profiles, content filtering and perimeter security controls;
- Administrate secure mail gateways, firewall policy evaluations, next-generation threat prevention designs and SSL encryption/decryption strategies;
- Support Cyber Operations as an escalation resource for engineering and architecture injects in routine but also in priority incident response workflows;
- Mentor colleagues, prepare technical documentation runbooks, work closely with various IT departments to carry out information security tasks and projects, leverage numerous tools and technologies to maintain confidentiality, integrity and availability of critical IT systems and infrastructure;
- Perform special projects and initiatives as assigned.

**Minimum Qualification Requirements**

- (1) A baccalaureate degree from an accredited college, including or supplemented by twenty-four (24) semester credits in computer science or a related computer field and two (2) years of satisfactory full-time software experience in designing, programming, debugging, maintaining, implementing, and enhancing computer software applications, systems programming, systems analysis and design, data communication software, or database design and programming, including one year in a project leader capacity or as a major contributor on a complex project;
- or
- (2) A four-year high school diploma or its educational equivalent and six (6) years of full-time satisfactory software experience as described in "1" above, including one year in a project leader capacity or as a major contributor on a complex project;
- or
- (3) A satisfactory combination of education and experience that is equivalent to (1) or (2) above. College education may be substituted for up to two years of the required experience in (2) above on the basis that sixty (60) semester credits from an accredited college is equated to one year of experience. A masters degree in computer science or a related computer field may be substituted for one year of the required experience in (1) or (2) above. However, all candidates must have a four year high school diploma or its educational equivalent, plus at least one (1) year of satisfactory full-time software experience in a project leader capacity or as a major contributor on a complex project.

**NOTE:** In order to have your experience accepted as Project Leader or Major Contributor experience, you must explain in detail how your experience qualifies you as a project leader or as a major contributor. Experience in computer operations, technical support, quality assurance

(QA), hardware installation, help desk, or as an end user will not be accepted for meeting the minimum qualification requirements.

**Special Note**

To be eligible for placement in Assignment Level IV, in addition to the Qualification Requirements stated above, individuals must have one year of satisfactory experience in a project leader capacity or as a major contributor on a complex project in data administration, database management systems, operating systems, data communications systems, capacity planning, and/or on-line applications programming.

**Preferred Skills**

The successful candidate should possess the following or equivalent:

- 7+ years' experience in large enterprise security planning, design, configuration, installation, troubleshooting, integration, security performance monitoring, product maintenance, and security product configuration enhancements;
- Strong working knowledge of enterprise email architecture and sonboxing solutions;
- Comprehensive knowledge of next generation firewalls, Netflow protocol, remote access solutions, VPN, digital certificates, extensive Unix/Linux experience;
- Excellent written and verbal communication skills; excellent presentation skills and the ability to present material around information security awareness, and the ability to handle multiple tasks under tight deadlines;

**To Apply**

**Special Note:** Taking and passing civil service exams are necessary to maintain employment with the City of New York. Please check the Department of Citywide Administrative Services (DCAS) website ([http://www.nyc.gov/html/dcas/html/work/exam\\_monthly.shtml](http://www.nyc.gov/html/dcas/html/work/exam_monthly.shtml)) for important exam filing information. Please ensure that you are either a permanent employee in the civil service title listed on this posting, or, that you file for the examination when there is an open filing period. For more information regarding the civil service process, please visit the DCAS website at: <http://www.nyc.gov/html/dcas/html/work/work.shtml>

For City employees, please go to Employee Self Service (ESS), click on Recruiting Activities > Careers, and search for Job ID #241011  
For all other applicants, please go to [www.nyc.gov/jobs/search](http://www.nyc.gov/jobs/search) and search for Job ID #241011

-or-

If you do not have access to a computer, please mail resume indicating Job ID # to:  
Department of Information Technology and Telecommunications (DoITT)  
Recruitment Office - 255 Greenwich Street - 9th Floor - New York, NY 10007

SUBMISSION OF A RESUME IS NOT A GUARANTEE THAT YOU WILL RECEIVE AN INTERVIEW  
APPOINTMENTS ARE SUBJECT TO OVERSIGHT APPROVAL

**Posting Date:** May 26, 2016

**Post Until:** Filled

The Department of Information Technology & Telecommunications and the City of New York are equal opportunity employers.