



## JOB DESCRIPTION

### Senior Information Assurance Security Engineer

<b>DIVISION:</b> Office of Performance & Information Technology (PIT)	<b>GRADE:</b> IT3
<b>DEPARTMENT:</b> IT Infrastructure & Production Services	<b>WORK DAYS:</b> Annual
<b>REPORTS TO:</b> Director (IT Security and Network Services)	<b>FLSA STATUS:</b> Exempt
<b>CLASSIFICATION:</b> At-Will	<b>DATE:</b> 6/8/2021

**Our Mission:** Through a caring culture of equity, trust, and collaboration, every student will graduate ready for college, career, and life.

**Our Vision:** A high-performing school district where students love to learn, educators inspire, families engage, and the community trusts the system.

**Our Guiding Principles:** **Equity** in our approach to decision making, **Ethics** to demonstrate our integrity, **Engagement** with our school community, and **Excellence** in everything we do.

#### POSITION SUMMARY

Senior Information Assurance Security Engineer is responsible for the development and evolution of security architecture and must be able and prepared to demonstrate and apply a thorough understanding of security concepts, technologies and practices, and provide a high level of technical expertise in the respective areas of responsibility. Provides technical leadership in the areas of network, system application/platform and database security architecture practices. Responsible for performing security engineering functions in the areas of network security, digital forensics and, threat and vulnerability management. Collaborates with other members of the core strategy teams to build and develop initiatives, develop project plans, timelines, risk assessments and other planning documents.

#### MINIMUM REQUIREMENTS

**EDUCATION:**

- Bachelor's' degree in Engineering, Information Technology, Computer Science, or any equivalent discipline.

**CERTIFICATION/LICENSE:**

- Certified Information Systems Security Professional (CISSP) - preferred, Forensic Certification preferred.

**WORK EXPERIENCE:**

- 5 years of related experience in information security architecture, engineering and systems integration.

#### KNOWLEDGE, SKILLS & ABILITIES

- Fundamental knowledge of Windows, Linux and Cisco operating systems, networking, and information security.
- Ability to work with data parsing technologies (PERL, Python etc.).
- Digital forensics, data recovery, decryption analysis, and forensics legal investigations.



- Wide Area Networks (WANs) and distributed analysis techniques Network tools such as Tivoli, ArcSight, WireShark, and/or Cisco IOS analysis tools.
- Intrusion Detection System (IDS)/Intrusion Prevention System.
- Vulnerability Management tools, Tenable, Nessus Anti-virus protection - Anti Spyware - Anti SPAM - Mobile code/ Malware - Data at rest encryption and protection.

### **ESSENTIAL DUTIES**

- Creates security architecture standards for the adoption of new technology.
  - Provides information security subject matter expertise to technology teams and projects.
  - Identifies, quantifies, and provides recommendations for security risks as it relates to enterprise projects.
  - Evaluates and recommends security software/hardware and its integration into existing architecture (Proof of Technology).
  - Produce management reporting, including appropriate metrics that inform senior leadership as to the state of information risk and exposure
- Conducts and manages digital media investigations and operations.
- Adhering to chain of custody guidelines for handling and storing evidence.
  - Gathers forensic evidence for disciplinary action(s) or criminal investigation(s).
  - Conducts advanced computer and network forensic investigative functions relating to various forms of malware analysis, computer intrusion, theft of information, denial of service and multi-national organized criminal groups.
  - Research and benchmark security infrastructure technologies as it relates to the organization.
  - Required to have prompt, regular attendance in-person and be available to work on-site, in-person during regular business hours and as needed.
  - Performs other duties as assigned by an appropriate administrator or their representative.

### **PHYSICAL ABILITIES AND WORKING CONDITIONS**

The physical abilities, working conditions and other conditions of employment listed in this document are representative of, but are not intended to provide an exhaustive list of the requirements for positions in this classification. In the event of an emergency or situation requiring guidance from Federal, State, or local or school district authorities, the requirements of this position may change temporarily or for the school year to best serve the needs of our students.

**Vision:** Ability to read small print and view a computer screen for prolonged periods.

**Hearing:** Ability to tolerate exposure to noisy conditions.

**Speech:** Ability to be understood in face-to-face communications, to speak with a level of proficiency and volume to be understood over a telephone or computer.

**Upper Body Mobility:** Ability to use hands to grasp, and manipulate small objects; manipulate fingers, twist and bend at wrist and elbow; extend arms to reach outward and upward; use hands and arms to lift objects; turn, raise, and lower head.

**Strength:** Ability to lift, push, pull and/or carry objects which weigh as much as 5 or more pounds on a frequent basis. Incumbent may be required to physically restrain parties involved in a conflict.

**Environmental Requirements:** Ability to encounter constant work interruptions; work cooperatively with others; work independently; work indoors.

**Mental Requirements:** Ability to read, write, understand, interpret and apply information at a moderately complex level essential for successful job performance; math skills at a high school proficiency level; judgement and the ability to process information quickly; learn quickly and follow verbal procedures and standards; give verbal instruction; rank tasks



in order of importance; copy, compare, compile and coordinate information and records. Understand how to manage stress.

**Remote Work Requirements:**

**Additional Work Conditions & Physical Abilities:** Ability to be flexible and adapt as needed between various in-person working environments.

***The Atlanta Public School System does not discriminate on the basis of race, color, religion, sex, citizenship, ethnic or national origin, age, disability, medical status, military status, veteran status, marital status, sexual orientation, gender identity or expression, genetic information, ancestry, or any legally protected status in any of its employment practices, educational programs, services or activities. Reasonable accommodations may be made to enable individuals with disabilities to perform essential duties.***

***This job description is intended to accurately reflect the duties, responsibilities and requirements of the position. It is not intended to be and should not be construed as an all-inclusive list of all the responsibilities, skills, or working conditions associated with the position. Management and administration reserves the right to modify, add, or remove duties and assign other duties as necessary.***