

**Position:** Software Engineer Specialist - Kronos  
**Agency:** Metropolitan Transportation Authority (MTA), Information Technology  
**Dept. / Div:** Information Technology  
**Location:** 2 Broadway, New York, NY, United States  
**Hours:** 9:00am to 5:30pm  
**Salary:** \$116,463 to \$139,755

**About:** The **MTA** is North America's largest transportation network, serving a population of 15.3 million people across a 5,000-square-mile travel area surrounding New York City through Long Island, southeastern New York State, and Connecticut. The **MTA** network comprises the nation's largest bus fleet and more subway and commuter rail cars than all other U.S. transit systems combined.

- The **MTA** has begun work on its \$51.5 billion 2020-2024 Capital Program, by far the largest in MTA history.
- 1 trillion in Physical Assets: the MTA is North America's largest public transportation system; the MTA has a \$15.1 billion annual operating budget and owns assets valued at \$1.0 trillion.
- 8.8 million Customers Daily: the MTA system encompasses 736 railroad and subway stations; 2,080 miles of track; 8,889 rail and subway cars; 5,725 buses; 7 bridges; and 2 tunnels.
- Reducing Greenhouse Gases: Thanks to MTA transit, New York is the most carbon-efficient state in the nation. The system prevents 17 million metric tons of pollutants per year, while emitting only 2 million metric tons. This makes MTA the single greatest reducer of greenhouse gases in the United States.
- Expanding Public Art: As part of its public mandate, the MTA runs one of the world's largest and most critically acclaimed public art programs. It includes more than 300 major permanent installations by local and world-renowned artists, along with exhibitions and events, a poetry program, and a roster of performing musicians.
- Active Counterterrorism: Since 9/11, the MTA has been a leader in national security; our "If You See Something, Say Something" public campaign has been adopted across the nation. The MTA Police Department runs special units in conjunction with the interagency counterterrorism task force. The department's K-9 Unit is one of the nation's foremost facilities for K-9 security and Anti explosives training.
- World-Scale Engineering Projects: the MTA oversees some of the nation's largest infrastructure, engineering, and architectural megaprojects, including the immense tunneling and construction work involved in the Second Avenue Subway and the LIRR's eight-track extension into a new train terminal 100 feet below Grand Central Terminal.
- An Innovator in New Technologies: In addition to advancing transportation technologies, the MTA is now at the forefront of many new IT innovations, from customer apps and fare systems to Bluetooth train signaling, vehicle tracking, 3D structural imaging, and cybersecurity.

**Benefits:**

The **MTA's** provision of safe, clean, efficient public transportation is the lifeblood of the New York City area, one of the world's major economic hubs. It opens employment opportunities for millions of area residents, linking them to jobs miles from their homes. It revives old neighborhoods and gives rise to new business corridors. It links millions of residents and visitors to cultural, educational, retail, and civic centers across the region. The **MTA** values its employees and MTA employees value their jobs. The average tenure at MTA is 10.4 Years. That's 3x longer than the national private sector average (3.7 years). MTA employee contributions are more affordable than in large private companies. MTA offers

excellent individual, family, and domestic partnership healthcare coverage under the New York State Health Insurance Program (NYSHIP).

**Job Summary:**

Software engineers specialize in Kronos or payroll development, designing, coding, testing, and refining software to meet specific business and customer requirements. They oversee the entire software development lifecycle, including project management and maintenance. Engaging with stakeholders, they gather and analyze user requirements to ensure the software aligns with business needs. Employing industry standards and tools, they contribute to the development process, striving for high-quality outcomes.

**Responsibilities:**

- Define and manage scoping and requirements, ensuring traceability to the source.
- Design, code, verify, test, document, amend, and refactor complex programs/scripts and integration software.
- Develop and execute test plans and automated testing frameworks.
- Develop acceptance criteria for functional and non-functional requirements, business processes, and features.
- Select tools and techniques to evaluate user experiences, ensuring security, usability, and accessibility.
- Develop, configure, and maintain tools for system information tracking and documentation.
- Maintain application support processes, using management software to investigate and diagnose issues.
- Define, document, and execute small projects or sub-projects, and potentially act as product owner for lower-value products.
- Plan and conduct quality and safety assessments, suggesting improvements and documenting hazards.
- Monitor and report on supplier performance, customer satisfaction, and security adherence.
- Continuously update personal knowledge of software engineering practices and emerging technologies.
- Mentor less experienced staff as needed.
- Troubleshoot application problems independently and seek advice from experienced coworkers when necessary.

**Education and Experience:**

- Bachelor's Degree
- Minimum of 3 years of relevant experience. A blend of education and experience may substitute for a degree.

**Preferred Qualifications:**

- Certified Software Engineer or equivalent, Agile Project Management, and technical certifications relevant to the role, along with experience in System Development Life Cycle methodologies.

- Industry certifications such as Certified Scrum Developer (CSD), Certified Scrum Master (CSM), Certified Software Development Professional (CSDP), Certified Secure Software Lifecycle Professional (CSSLP), Amazon Certified: AWS Certified Developer, Microsoft Certified: Azure Developer, Certified Software Test Professional (CSTP).
- Hands-on experience administering and developing workflows and specialized UIs in Alfresco or similar Document Management systems.

**Competencies:**

- Strong proficiency in Data Structures and Algorithms, Database Management, Web Development, DevOps, Operating Systems, Cybersecurity (including encryption and authentication), and Cloud Computing.
- Demonstrated skills in Active Listening, Attention to Detail, Customer Service, Prioritization, Problem Solving, and Effective Verbal and Written Communication.
- Collaboration: Works with others to achieve common goals.
- Innovation: Generates creative solutions to drive organizational success.
- Customer Orientation: Establishes strong customer relationships and delivers customer-centric solutions.
- Diversity Appreciation: Values diverse perspectives and cultures within the organization.
- Effective Communication: Conveys clear messages tailored to different audiences.
- Tech Proficiency: Embraces and integrates digital and technological advancements in business operations.

**Other Information:**

Pursuant to the New York State Public Officers Law & the MTA Code of Ethics, all employees who hold a policymaking position must file an Annual Statement of Financial Disclosure (FDS) with the NYS Commission on Ethics and Lobbying in Government (the “Commission”).

**Equal Employment Opportunity:**

MTA and its subsidiary and affiliated agencies are Equal Opportunity Employers, including with respect to veteran status and individuals with disabilities. The MTA encourages qualified applicants from diverse backgrounds, experiences, and abilities, including military service members, to apply.

***This position is being handled directly by David Gomez Partners, Inc.***

***To apply, please send your resume to:***  
***[Recruiting@DavidGomezPartners.com](mailto:Recruiting@DavidGomezPartners.com)***