[To apply, email wfisher@mtahq.org with a resume or LinkedIn profile]

Summary of position
The Digital Services team is seeking a backend software engineer to help build out the future of data and technology for the MTA. This person will play a crucial role in shaping the daily commute of 3M+ New Yorkers.

Our team is responsible for all realtime signs in the subway, the TrainTime app, the MTA app, and the processing systems that transform raw data into actionable information for passengers.

We're a diverse and agile team of about 20 professionals, primarily engineers, complemented by several Product Managers and a dedicated product designer. Operating with the nimbleness of a startup within the larger MTA structure, we prioritize thoughtfulness, determination, and impact in everything we do.

Abilities, technical skills and domain knowledge
Abilities
- Must be intellectually curious and passionate about technology
- Ability to collect and analyze data effectively
- Ability to work independently
- Must possess excellent planning and analytical skills, superior communication skills

Technical skills
- Must possess basic knowledge of our platforms and systems: EC2, Elastic Beanstalk, CloudWatch, Docker, ActiveMQ, RDS/Postgres, Firebase and Sentry.
- Must possess knowledge of languages including Java, Kotlin and SQL. Optionally React, HTML/CSS and JavaScript, as well, for frontend work.
- Knowledge of React Native and Kotlin is desired but not required.
- Knowledge of our SaaS providers is desired but not required: GitHub, GitLab, Sentry, Intercom, Airtable, Expo.

Domain knowledge
- Prior working knowledge of railroad operations.
- Prior working knowledge of GIS or location-based data and systems (including Mapbox and ESRI).

Experience and education
- Bachelor's degree in computer science or related field is required. Demonstrated equivalent experience and education may be considered in lieu of the degree, subject to approval.
- Prior experience designing customer-facing applications.
- Must possess prior experience running projects, writing technical documents including scopes of work, software requirements, and estimates.