Sr. Data Engineer

Start Date: **Immediate**
Team: **Team Systems and Data**
Location: **Brooklyn, NY**

About Achievement First:
Achievement First, a non-profit 501(c)3 charter school management organization, operates 36 public charter schools in Brooklyn, Connecticut, and Rhode Island. The mission of Achievement First is to deliver on the promise of equal educational opportunity for all of America's children. We know that every child—regardless of race, zip code, or economic status—deserves access to great schools. Achievement First currently educates more than 13,300 students in historically underserved neighborhoods, with over 90% of our students identifying as Black or Latinx. For more information about the Achievement First mission, model, our schools and team, please visit our website at www.achievementfirst.org.

About Team Systems & Data:
Team Systems & Data works to ensure that both the leadership and teachers at Achievement First and its network of schools have the systems, data, reports and skill sets to support strategic decision-making and to inform instructional planning. Team Systems & Data does this by supporting and coordinating high-quality data practices in schools, by creating applications to support data collection, by building the data infrastructure to support data access, by conducting a rigorous analysis of the data to identify patterns and insights, and by reporting these findings to key constituencies both inside and outside the organization.

Summary
Achievement First is currently seeking a passionate and creative developer to bring strong problem-solving skills to a leading charter school management organization committed to using data to drive instructional improvement in its classrooms. Reporting to the head of development and data architecture, the senior developer will manage the build, design, and maintenance of AF's mission critical data infrastructure. This is an excellent opportunity for someone interested in pursuing database development or data warehousing and is eager to gain hands on experience with a wide range of technologies and frameworks.

Responsibilities of the Data Engineer will include but are not limited to:

● Design and implement AF's next generation reporting data warehouse using the AWS ecosystem
● Play a lead role in the areas of ETL design and development, creating a robust ETL framework with proper triggers and data quality checks in place
● Analyze processes for gaps and weaknesses, building future state models and creating the roadmaps and migration plans to get there
● Translate organizational goals into clearly articulated, actionable project requirements and tasks
● Balance timelines, dependencies, effort, and expected value of solutions to establish and argue for priorities of given projects
● Ensure tight alignment between ongoing development activities and the analytics team;
● Monitoring and supporting production application jobs and processes
● Providing technical support, troubleshooting guidance and knowledge transfer to constituents at AF

Skills and Characteristics

- Experience with full product ownership (design, implementation, and maintenance); experience at startups or smaller companies is a plus!
- Strong understanding of SQL theory and practice. 100+ line queries, 7-way joins, and correlated subqueries do not scare you. You can write window functions off the top of your head AND know how and when to use them.
- Data warehouse dimensional design knowledge and the ability to articulate design decisions.
- Experience with database technologies such as MS SQL Server, Postgres, Amazon Redshift, or BigQuery.
- Experience with general-purpose programming/scripting languages such as Python.
- Bonus: familiarity with one or more of the following:
  - Cloud services such as AWS
  - RESTful APIs
  - Source control platforms such as Github
  - Data integration and transformation tools such as SSIS
  - Experience with a BI tool such as Tableau
- Quick learner and are enthusiastic about introducing and using new technologies/tools to improve the Data Warehouse.
- Disciplined on using office productivity and collaboration tools
- Belief in the Achievement First mission and educational model
- Maturity, humility, sense of humor and "roll-up-my-sleeves" attitude

Educational Background and Work Experience
- Undergraduate degree in computer science or related field
- 3+ years' work experience in data development/design/consulting
- High-level proficiency in 1 or more SQL dialects and 1 or more programming languages

Compensation
Salary for this position is competitive and commensurate with experience. Additionally, Achievement First offers a comprehensive benefits package.

To Apply
To submit an application, please attach your resume and cover letter through the web form below:
https://app.smartsheet.com/b/form/9a1a6f0fd0a148fb848710f844e3d8b9

Applications will be accepted on a rolling basis until the position is filled. Candidates are encouraged to apply as soon as possible.

Achievement First is an equal opportunity employer and an organization that values diversity. People from all diverse backgrounds are strongly encouraged to apply. You can learn more about diversity at Achievement First here: http://www.achievementfirst.org/about-us/diversity/.