CUSTOMER SPOTLIGHT
Forsyth County Schools

" We're finding the students who maybe have fallen through the cracks over the years. We're presently working with the students to make sure they're going to graduate, and I guarantee you're going to see our graduation rate go up because of those students that we're able to find and get help—and Power BI enabled us to do that.

Tim Fleming
Director of Technology Services

CHALLENGE

With so many students and employees, Forsyth County School District needed an easy and seamless way to identify the group of students needing support and attention. All student data was analyzed manually by school leadership teams. Effectively wrangling the vast amount of available data required a copious amount of time and in-depth background knowledge. They also had siloed student data, making it cumbersome and tedious to access and utilize the information in a timely manner. Since data was being analyzed manually, Forsyth was struggling to use and understand all its data in a way that actively benefited students.

SOLUTION

To solve this challenge, 3Cloud began by combining data from disparate data sources to create a unified data model for reporting. This integrated data architecture was enabled by Azure SQL Database, Azure Data Factory, Azure Analysis Services and Azure Data Lake Storage. With an integrated data foundation established, 3Cloud next created a variety of dashboard-style reports in Power BI to highlight student metrics at the district, school, classroom, and individual level. These reports allow staff members to quickly pinpoint students who need extra help.

IMPACT

Forsyth County Schools estimates that the implementation of Power BI has saved the district over $300,000 in staff resources and time. More importantly, using Power BI, the staff at Forsyth County Schools can quickly and effectively pinpoint struggling students and get them the help they need to graduate. The district is aiming to move the 94 percent graduation rate to 100 percent.

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CLIENT PROFILE

- **Industry:** Education
- **Number of Employees:** 8,000
- **Innovation Focus:** Data and Analytics