**About Me**

My Love of Education

My Engineering Experience

Passionate about Ed Tech and the needs in this space

**Why Here**

**My Questions**

About the day to day of working here and the culture

More about the Data Engineering and Internal Products Team people, culture and environment

More about the tech stack you use

* Strongest
* New
* Future things you hope to bring in

More about what this position will be doing

Generalist role is this more data focused, software, etc

Do you deploy your own services

More about this “Enabling internal users to subscribe to notifications for product events they care about.”

Current Projects

Day to Day

**Interview**

Ric Parks Wednesday at 12:45pm

**The Company**

Your school’s digital platform where technology, learning, and now, communication just work. Built on top of the most widely used single sign-on portal in K-12 education, we're improving messaging and analytics in the platform you know and love. As always, easy to use and free.

Build tools to make edtech easier

**Mission**

* Passionate about improving education
* Mission to unlock new ways to learn for all students
* Brings all applications together with a single sign on

**Values**

Culture Tenets

* Education is in our DNA and these six culture tenets are integral to daily life at Clever. They encourage every person on our team to learn, grow, and create change.
* Always a student
* Do the extra credit
* Don’t trust the textbook
* Leave the classroom better than you found it
* Clever is a group project
* Bring good vibes

**Other Things**

Driven to solve problems for students and teachers

**What’s one of the most exciting challenges you face at Clever?**

Resiliency to failure. Every day, millions of students depend on the Clever platform to access all of their educational apps. If Clever is unavailable, learning with these apps stops. This creates unique challenges in how to architect and build systems where internal failures never lead to problems for our users. And since we integrate with thousands of districts and apps, we also have to be resilient to issues in their systems. It’s a challenging problem that Clever has done a terrific job addressing and one that I’m eager to tackle as we continue to serve more schools

**The Product**

A platform for students, parents, teachers and admins

**Clever Messaging**

Now teachers, students, and parents/guardians can securely send messages on the platform they use daily. With one click, teachers can check in with students on assignments or quickly connect with parents to support learning outcomes.

**Access to everything, for everyone**

Easy, secure access to digital learning resources should be the status quo in K12 education. With automated rostering, single sign-on into anything, seamless integrations, and flexible configurations to fit any district, schools can achieve interoperability.

**A digital classroom to love**

Students get a digital classroom with all the resources they need to login and start learning. Teachers create personalized and organized digital classrooms. They can see which students are participating, and instantly reach out to students who need help—all without leaving the platform.

**Engineering Cultural Tenents**

**Code with empathy**

Develop software with customers and fellow engineers in mind.

**Code with a sense of urgency**

Move quickly and sequence work smartly to get solutions into users’ hands promptly.

**Learn and teach, every day**

Acts of learning and teaching essential are parts of an engineer’s daily routine.

**Expect and enable change**

Write code that is resilient to the only constant—change.

**Be guardians of our users' data**

It is up to us to be the experts and to guide and protect our users.

**Engineering is a team sport**

Engineering teams can be much more than the sum of their individual members.

Patient and humble team

**The Role**

**Data Engineering and Internal Products**

Help internal teams by adding new features to their large web application platform for internal tools

Work with internal customers like

* Customer support
* Customer success
* Product development
* Other engineering teams

Understand needs and develop solutions

**Looking For**

* Strong experience with full-stack development including React, Node.js, HTML, and CSS.
* Understanding of software engineering practices, OOD, design pattern, data structures and algorithms
* A desire to work in a diverse, highly collaborative team environment
* Experience with Go, **Java,** C++ or other backend programming languages is a plus
* Commitment to equity and belonging. At Clever, we believe the classrooms we serve and our company’s halls should be spaces that are diverse, equitable, and inclusive. That is why we are committed to building diverse teams, inviting every voice, and creating a safe space for everyone to be their authentic self. By fostering equity and belonging within our circles of influence, we unlock learning for ALL students.

**Role Specific**

* Adding new features to Clever’s comprehensive platform for internal tools, used by almost everyone at Clever every day
* Help create a new data pipeline to better deliver analytics to the rest of the company.
* Own problems from end to end by managing complexity and engaging directly with stakeholders to think through business intelligence needs and to help improve stakeholder ROI through high impact new features
* Be a generalist who enjoys working on **frontend, backend, data pipelines, and process improvements** as needed to give our users within Clever the superpowers they need to excel at their jobs

**You’ll design and implement new product features such as:**

* Customized views to allow internal customers to focus on the information that helps them excel at their job.
* Troubleshooting tools to help customer support representatives quickly diagnose and solve issues.
* Enabling internal users to subscribe to notifications for product events they care about.
* Proactively surfacing opportunities for customer-facing teams.
* Bringing our internal dashboards in line with our external products using new frontend technologies and enforcing best practices.

**Stack**

Frontend

* React
* TypeScript

Backend

* Node.js
* Go
* MongoDB
* PostGres
* DynamoDB
* AWS like ECS

**Clever**

**Passionate about improving education**

Clever was born of co-founder Dan Carroll’s frustration as a school tech director in Denver. His plans to use technology to save teachers time and personalize learning were stymied by countless CSV files and forgotten passwords. Dan recalls, “I wanted to be an innovator, but I got stuck being a human API.”

Software has the potential to empower teachers and create new ways to learn. But one thing must happen first. Everyone must be able to log in—quickly and securely.

To solve Dan’s problem, we built a single sign-on portal that now helps 65% of U.S. K–12 schools spend more time learning and less time logging in.

Dan and all of us at Clever believe that technology is a powerful lever that can make education more equitable and engaging. Since the beginning, we’ve seen that when great teachers are supported by great technology, it leads to incredible learning outcomes.

**Propel education forward**

We believe technology is a powerful lever to make education equitable for all and the fastest way

to improve educational outcomes now. Our work at Clever impacts K–12 students everywhere in

the U.S. We’re proud to innovate with the parents, teachers, administrators and application

developers dedicated to giving every student a high-quality education and a lifetime of opportunity.

* 65% of U.S. K–12schools use Clever
* 22M teachers and students log in with Clever
* 600+ leading applications