

Pair of Priority Projects Empower Online Learners

testdouble®
Case Study



The Client

Clever

Environment: Education technology platform

Size: 200+ employees

Location: San Francisco | clever.com

Engagement: 6 months of back-end & front-end development on high-throughput projects



“ Test Double delivered a performance that in one case doubled our throughput. Nathan’s deep Golang experience has been super helpful. Steve **continues to see around corners**—identifying gaps in our architecture, proposing and implementing new approaches. I couldn’t imagine this project succeeding without his technical leadership.

–Dan Carroll
Co-Founder, CPO



“ Kenneth **delivered features quickly from week one** and enabled us to catch the school sales cycle for our new product. He also did **extra credit beyond the sprint: raised the bar on automated testing** and proactively helped ramp up new team members. Kenneth reshaped my views on the value an embedded contractor can bring to a team.

–Marco Kitagawa Pedroso
Engineer Manager, Identity and Analytics

The Mission

Tech: Go, React

Impact Areas: Custom Software Development, Automated Processing, Identity Management

Clever had not one, but two mission-critical projects with a tight deadline ahead of the school year:

- Automating the process of securely moving school district data into an edtech tool popular with teachers.
- Building a self-service tool to provision Clever users into other identity providers.

The goals of both projects was providing a user-friendly experience for busy school district staff to easily manage administrative tasks that make online learning possible.

Make the scary stuff boring

testdouble.com | hello@testdouble.com

The Fix

Steps to the Fix: Hit aggressive goals, well-tested maintainable code, identify gaps in architecture and tooling

Test Double consultants jumped in and got things done on back-end development with Golang to build automated user data processing, plus back- and front-end development with Golang/React on a self-service identity management tool.



Great Software

- Help teams execute on intense timelines
- Developed beta system for districts to automate syncing of users from Clever to popular edtech tool via integration with school information systems
- Built secure, easy-to-use, self-service identity management system for districts to provision users from Clever



Great Teams

- Watch high-throughput projects closely to keep things on track and well-tested
- Teach developers while meeting them where they are
- Became knowledge experts to provide context, get people up to speed quickly, influence architecture and help make product decisions

The Results

We always try to leave teams better than we found them. For Clever, we hit two aggressive deadlines, and left them with well-tested code easily understood by newcomers on multiple, rapidly changing teams. Along the way, we helped to identify architecture and tooling fixes for immediate performance improvements.



Automatic rostering requested by 940+ districts and 12.6M daily API requests

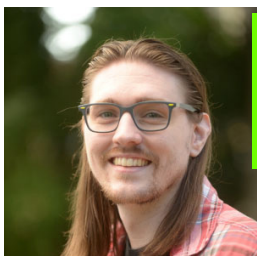


Identify gaps in architecture & tooling to improve immediate performance



Execute against aggressive deadlines with well-tested, secure & maintainable code

The Team



Kenneth Bogner
Agent 0094



Steve Jackson
Agent 0023

Nathan Rockhold
Special Agent