![delaPlex logo - we solve problems]

2970 Clairmont Rd NE, Suite 130, Atlanta, Georgia 30329
+1 (404) 876-3334 | sales@delaplex.com
www.delaplex.com

QA Testing Services:
eLearning SaaS Platform
for Student Success and College Readiness

About the client

The client is a student success and college readiness company focused on helping institutions improve retention and admit more college-ready students. They partner with schools to white label their own low-cost readiness and degree pathway programs.

Through self-paced, inexpensive online college courses, they serve over 30,000 students a year, combining low-cost course subscription with guaranteed credit pathways at accredited degree programs. StraighterLine courses have been accepted for credit at more than 1,000 schools.
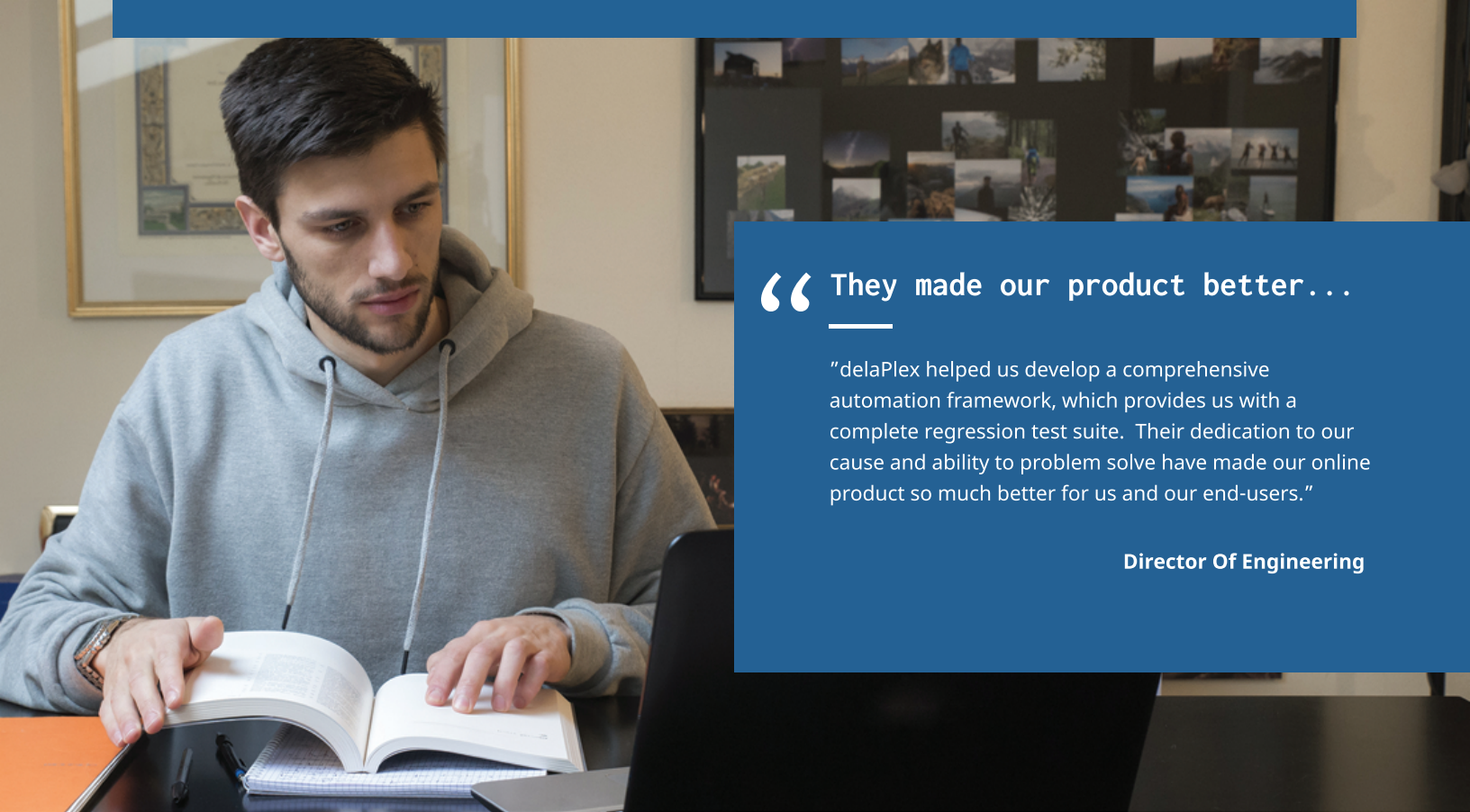
Client need

A web-based portal where students can purchase online college courses. Students who successfully complete online courses through the StraighterLine platform need to be able to receive transfer credits when they enroll with schools that are part of their network of regionally accredited colleges and universities.

Project challenges

To update their legacy system. This includes payment gateway feature, course configuration, setup course cards based on enrollment status of the user/student, validate grades earned, and more. Integration of ProctorU and Moodle, Implement Automation, API and Performance testing on unstable application.

The delaPlex solution

Through QA services, delaPlex brought improvement in application testing speed and accuracy by implementing industry standards and best practices QA processes. Additionally, we configured a solid, scalable automation framework, through which we were able to automate and maintain a comprehensive regression test suite as well as initiate performance and load testing of the application servers; ensuring high availability for end users across the country.

How we did it

delaPlex implemented automation to increase QA performance and provide an overall reduction in testing costs.

— **Manual Testing**
Smoke Testing | Functional Testing
Compatibility Testing | Regression Testing
Sanity Testing | End-to-End Testing | UI Testing

— **Automated Testing**
Java 1.8 | Selenium WebDriver 2.53
Eclipse IDE (64-bit) - Neon, Oxygen, Photon
TestNG | Apache POI | Log4j | Extent Reports

— **Load Testing**
Java 64-bit 1.8 | JMeter 5.3 | Blazemeter

— **API Testing**
Advanced REST Client 10.0.12

— **Database Testing**
MySQL Workbench 6.3.8

Core stack

delaPlex is a global software development and business solutions provider helping companies drive growth, revenue and marketplace value. Our innovative business methodology has built an unmatched reputation of bringing an alliance of collaborative industry experts, across industries and skillsets, to clients anywhere around the world.

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