



DRIVING DIGITAL RESILIENCE AND SCALABILITY FOR IT TRAINING PROVIDER

Status: Live since February 2022

The client is a leading provider of IT training and skill development, catering to students and professionals across India. As its training offerings scaled, it needed to strengthen its digital infrastructure to ensure reliability, security, and an enhanced learning experience for its users.

Challenges

✓ Cybersecurity Vulnerabilities

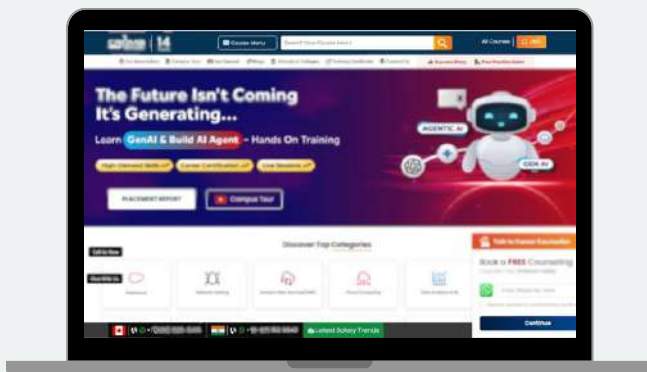
- The company experienced performance issues and cyberattacks on its primary website.
- Lack of real-time monitoring and outdated server security made the system prone to breaches.
- Slow loading times were affecting user experience and trust.

✓ Development Inefficiencies (DevSecOps)

- The in-house development process lacked automation and security checks.
- CI/CD pipelines were missing, causing delays and inconsistencies in code releases.
- Manual deployments increased risk and effort for the tech team.

✓ Need for a Virtual Conference Solution

- As a training provider, Croma Campus needed a secure and scalable platform for hosting online classes, webinars, and virtual lectures.
- Their existing LMS lacked native support for interactive sessions with privacy and reporting controls.



SOLUTIONS IMPLEMENTED

Cybersecurity Infrastructure Overhaul

- Migrated servers from AWS to Linode for better control and cost-efficiency.
- Hardened security using ModSecurity, and set up real-time monitoring with SonarQube, Prometheus, and Grafana.
- Performed GTMetrix optimization to significantly improve load speeds and performance scores.
- Secured the codebase and infrastructure to withstand future attacks.

DevSecOps Integration

- Enabled CI/CD using GIT, Jenkins, and SonarQube, automating build, test, and deployment pipelines.
- Integrated DevOps monitoring tools to track performance and ensure security compliance.
- Deployed a robust DevSecOps framework to manage infrastructure and development processes smoothly.

Virtual Conferencing Platform Deployment (BBB)

- Integrated BBB into their existing LMS
- Provided in-house hosting and customization to support real-time lectures, secure communication, and interactive learning.
- Enabled features like real-time reports, attendance tracking, and recording options —without compromising on privacy.

RESULTS DELIVERED



Resource Utilization

Optimized development workflows, improving team efficiency.



Time-to-market

Faster and more reliable deployment cycles, reducing launch delays.



Deployment Reliability

Achieved error-free deployments across 800+ services.



Operational Efficiency

Reduced downtime and improved delivery consistency..



SLA Management

Early alerts led to a sharp decrease in SLA breaches.



Strategic Decision-making

Real-time dashboards enhanced visibility across teams and milestones.