

Case Study

CarePoint Solutions

CarePoint Solutions is a healthcare-focused SaaS platform designed to enhance diagnostic accuracy and reduce medical errors through intelligent workflow automation and compliance tools. The project comprises two major components: a public-facing website built on WordPress, and a powerful web application developed using Drupal and Angular. The website serves as the front door for client engagement, product communication, and lead generation. It has been fully redesigned to align with modern UX/UI standards and is tightly integrated with Zoho CRM for seamless lead tracking and communication workflows. Meanwhile, the core application offers an enterprise-grade solution for managing Quality Control Plans (IQCP), user roles, orders, locations, and diagnostic assessments.



Technical Foundations

PHP

DRUPAL

ZOHO CRM

ANGULARJS

HEALTHCARE SAAS

MONGODB

DOCKER

WORKFLOW AUTOMATION

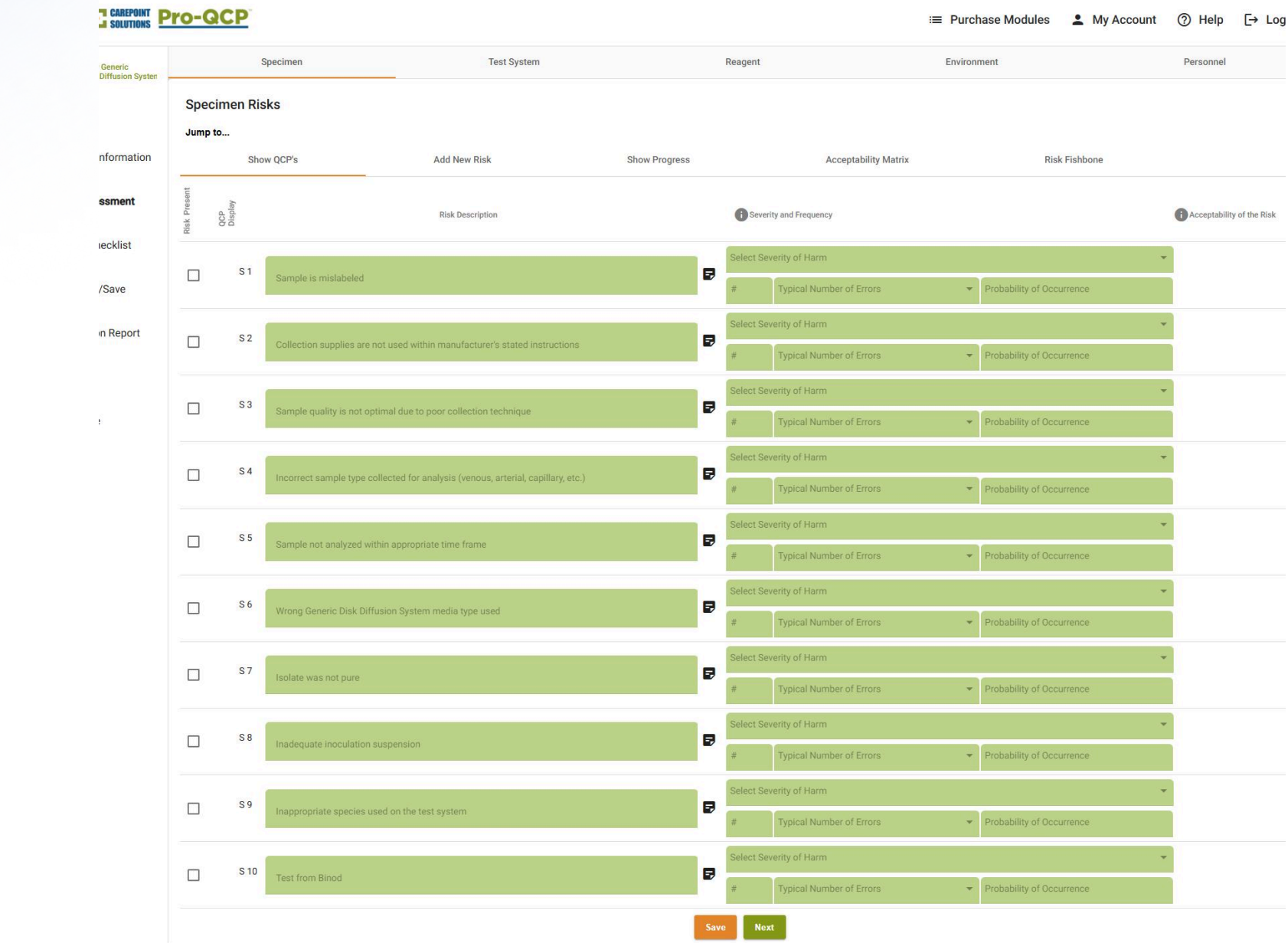
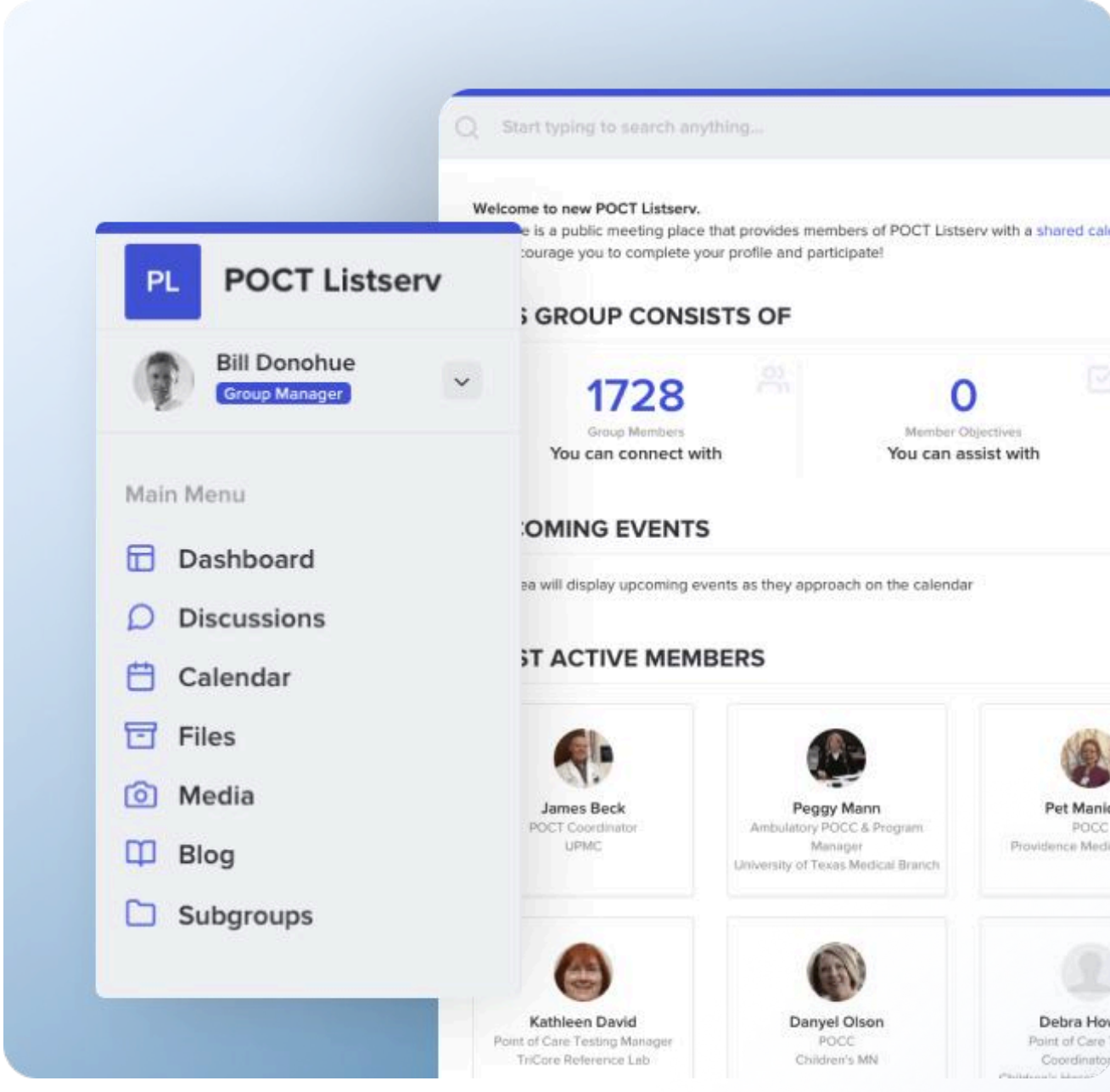
ISO 15189

The Challenge

When we began working with CarePoint, the system was relying on outdated technology stacks Drupal 8 on the backend and Angular 9 on the frontend. This posed multiple challenges related to performance, security, and the ability to scale the application efficiently.

Additionally, the platform lacked integration with modern third-party tools like Zoho, and had limited support for continuous deployment. The outdated architecture was also becoming a bottleneck for delivering new features and improvements.

- Key challenges included:
- Outdated versions of Drupal and Angular
 - Security vulnerabilities and poor performance
 - Manual deployment processes and limited automation
 - No direct CRM integration for sales and support workflows



Our Approach

To future-proof the platform and align it with modern development standards, we executed a comprehensive upgrade and optimization strategy. We began by upgrading Drupal from version 8 to latest version, significantly improving security, flexibility, and developer experience. The Angular front end was upgraded to version 16, providing faster load times, improved state management, and better support for modular components.

The WordPress website was rebuilt with a focus on responsive design, accessibility, and SEO optimization. We also integrated Zoho CRM for streamlined lead management and client support. A robust CI/CD pipeline was implemented to support faster, automated deployments and reduced development overhead.

- Technical improvements included:
- Upgraded core stack Drupal and Angular.
 - Zoho CRM integration for marketing and support workflows
 - Continuous Integration and Delivery setup
 - Use of MariaDB for structured data and MongoDB for unstructured data
 - asperReports integration for custom IQCP reports

The Outcome

The results of this transformation were significant. The upgraded tech stack not only improved application performance but also enhanced system reliability and maintainability. The seamless integration of Zoho enabled automated customer onboarding and better insight into sales activity. Reporting capabilities were also improved through the use of JasperReports, which helped generate detailed IQCP and Suggestion Reports.

Performance was significantly boosted, and the enhanced CI/CD pipeline allowed for quicker rollouts and reduced downtime. The new system now supports scalable and secure operations, with role-based access and improved UX across the board.

The Bottom Line

The CarePoint Solutions project is a testament to how thoughtful modernization and smart integration can transform a legacy system into a high-performing SaaS platform. By combining **Drupal's CMS capabilities**, **Angular's dynamic front-end architecture**, and third-party tools like **Zoho** and **JasperReports**, we built a solution that is both powerful and scalable.

With continuous support and a forward-thinking development approach, CarePoint Solutions is now well-positioned to grow, adapt, and lead in the healthcare diagnostics sector.

Strategic Alliance

Our work with CarePoint Solutions is ongoing. We continue to provide feature enhancements, performance optimizations, and integration improvements as part of a long-term collaboration. We also manage ongoing Drupal and Angular updates, ensuring the platform remains secure and up to date.

We provide:

- Regular maintenance and monitoring
- Integration of new healthcare compliance features
- Continuous collaboration with the product and support teams
- Proactive upgrades and testing across environments

This close partnership allows CarePoint to stay ahead in the rapidly evolving healthcare software landscape.

Thinking Process

