



Pennsylvania, USA based company delivers next-generation human capital management that empowers our clients to provide exceptional patient care.

Partnering with Nucleus Healthcare to improve their Test Scheduling, Compliance management and recruitment related products

Engagement Overview

Crownstack has engaged with Nucleus Healthcare since 2021 as their Product Engineering Partner to revamp and make continuous improvements to their multiple existing products to deliver a better user experience, make them more structured, scalable, and responsive.

About the Customer

Nucleus Healthcare headquartered in Pennsylvania, delivers next-generation human capital management solutions that empower clients to provide exceptional patient care. Nucleus Healthcare has a precise talent attraction, and management solution focused on medical recruitment that uses AI and machine learning to find exact skill matches and improve retention of the workforce in Healthcare. Their innovative platform provides the structure and resources required to quickly build quality teams to enable breakthrough discoveries in advanced therapeutics, biopharma, diagnostics, research tools, and adjacent technologies. By Deploying its customisable solutions, Nucleus evolves with an organisation through its growth cycle, providing an effective and better way to attract, manage, and retain top talent. The customer also had software solutions helping in test scheduling and compliance management programs helping long-term care facilities and other organisations working in similar domains.



Industry	Staffing and Recruiting
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Business Challenges

Nucleus Healthcare faced challenges in delivering a seamless and intuitive user experience to its customers. COVID put additional pressure on their teams, forcing them to push updates and features quickly. The situation was further complicated due to slow hiring in their engineering teams. We partnered with them to address following challenges

- The feature delivery velocity needed to improve to deliver value to customers quickly
- The seamless user experience needed to be created for their various products

- The code structure needed to be improved to enable teams to work more efficiently and effectively
- The site responsiveness needed to be addressed to support multi screen resolutions
- The Quality and performance of software has to be improved

Business Solution

Our engineering and quality assurance team worked with Nucleus' engineering team in unison and implemented following solutions for Nucleus Healthcare's different platforms:

- Introduced lots of new features by increasing sprint velocity for better usability on different platforms; like an applicant tracking tool to help find, evaluate and hire the right people as quickly as possible
- Integrated a secure way to manage all the user's logins and operate from any device
- Implemented a multi-functional ATS system in their recruitment product for managing all hiring needs in one place
- Added a responsive UI for the complete application to increase adoption
- Multiple features were added and enhanced the usability of the app providing all the user's medical details, account details, test details, insurance policies, vaccination records etc., for the user and family members
- The code structure has been refactored and enhanced for better performance

Technology Stack

Frontend	ReactJs, HTML/CSS, Javascript
Backend	Ruby on Rails, Postman, Swagger
Mobility	React Native (Android and iOS Apps), Expo
Workflow	JIRA, Slack, Github, Figma Designs

Business Outcome

- Overall, existing and new user onboarding has increased due to better performance and new features that were added on.
- Released new projects to order, dispatch and track delivery of COVID testing kits
- Nucleus healthcare was able to navigate through challenging times of COVID and meet its delivery goals
- Overall product health was improved through better code quality and manual test case coverage

Further Links

[Learn More About Crownstack's Offerings](#)

[Learn More about Nucleus Healthcare](#)