

Web Platform Development for Hybrid Medical Care Company

PROJECT DETAILS

 API Development, UX/UI Design, Custom Software Development

 May. 2025 - Ongoing

 \$10,000 to \$49,999



"They were proactive in understanding our needs and always found effective solutions."

PROJECT SUMMARY

UpCodo Digital has developed a web platform for a hybrid medical care company. The platform provides a secure portal to track health data. The tech stack includes React, Next.js, and PostgreSQL.

PROJECT FEEDBACK

UpCodo Digital has delivered two fully functional platforms within the original timeline and budget. Over 90% of patients access their results digitally, and doctors review, analyze, and annotate patient data three times faster. The team has excellent project management and communication skills.

The Client

Please describe your company and position.

I am the CEO of PROTOCOL

Describe what your company does in a single sentence.

PROTOCOL is a VC-backed med tech company redefining hybrid care, integrating screening, analytics, medication, and coaching across sleep, nutrition, and exercise to enhance longevity.

The Challenge

What specific goals or objectives did you hire UpCodo Digital to accomplish?

- Give every customer a personal health hub. A sleek dashboard where they can instantly see and track their blood screening results and watch their health progress come to life.
- Build a powerful AI-driven doctor dashboard that lets our clinicians easily review patient data, uncover key insights, and deliver personalized protocols to boost healthspan and lifespan.

 Mehdi Elaichouni
CEO, PROTOCOL

 Other industries

 Singapore

CLIENT RATING

5.0

Overall Score

Quality: 5.0

Schedule: 5.0

Cost: 5.0

Would Refer: 5.0

The Approach

How did you find UpCodo Digital?

Online Search

Why did you select UpCodo Digital over others?

- High ratings
- Great culture fit
- Good value for cost
- Company values aligned

How many teammates from UpCodo Digital were assigned to this project?

2-5 Employees

Describe the scope of work in detail. Please include a summary of key deliverables.

Overview:

PROTOCOL is a hybrid medical care platform focused on longevity through screening, analytics, medication, and coaching in sleep, nutrition, and exercise. The web platform aims to provide patients with a secure portal to track their health data.

Project Phases & Features

☒ Phase 1 (MVP)

Secure Web Portal: User login via phone number & authentication

Dashboard: Displays lab results and trends

Automated Lab Result Retrieval: Web scraping or email parsing

Basic Health Insights: Rule-based recommendations

☒ Phase 2



Advanced Health Reports: Analytics-based suggestions for improvement

Historical Data Tracking: Charts comparing past and present biomarkers

Personalised Nutrition Insights: "What, how much, and when" to eat

Core Features & Functionality:

- ☒ Secure Patient Dashboard Displays latest lab results with interactive graphsColor-coded indicators (Optimal, Normal, Needs Attention)Biomarker categorization for better tracking
- ☒ Automated Lab Result Retrieval
- ☒ Rule-Based Insights Nutritional guidance for deficienciesAlerts for abnormal values with recommended next steps
- ☒ Secure Authentication Phone + IC number login with Two-Factor Authentication (2FA)AES-256 encryption for data security (PDPA & HIPAA compliant)
- ☒ Notifications & Alerts Email, SMS, and WhatsApp notifications for new lab resultsReminders for consultations and follow-ups
- ☒ Mobile-Responsive Design Built with Bootstrap / TailwindCSS for cross-device compatibilityClean UI inspired by Apple Health & WHOOPProposed Tech StackSecure authentication with phone + IC + OTPTwilio Verify or AWS SNS for OTP services

Scalable architecture for handling thousands of logins
dailyreact.js / next.js and typescript for the front end.JSON-based APIPython / Django for the back end.PostgreSQL will be the database.

The Outcome

What were the measurable outcomes from the project that demonstrate progress or success?

The project delivered two fully functional platforms: the patient dashboard and the admin (doctor) dashboard, within the original timeline and budget.

Since launch, over 90% of patients now access their results digitally, improving engagement and transparency. On the clinical side, doctors can now review, analyse, and annotate patient data 3× faster using the AI-assisted dashboard tools.

The development team demonstrated exceptional communication, rapid iteration, and strong UX/UI thinking. They built a scalable architecture that now supports real-time updates, advanced analytics, and seamless integration with lab partners, setting the foundation for future AI personalisation features.

Overall, the project has enhanced operational efficiency, improved patient experience, and reduced manual reporting by 70%, making the platform a major milestone for our company's digital transformation.

Describe their project management. Did they deliver items on time? How did they respond to your needs?

Their project management was excellent. They consistently delivered milestones on time, communicated clearly, and adapted quickly to feedback. They were proactive in understanding our needs and always found effective solutions to ensure the final product exceeded expectations.

What was your primary form of communication with UpCodo Digital?

- Virtual Meeting
- Email or Messaging App

What did you find most impressive or unique about this company?



What impressed me most was their strategic approach to technology development. They took time to understand our business goals, user journey, and long-term vision. Every technical decision aligned with scalability, data integrity, and future AI integration. Their ability to think beyond the brief and design solutions that support our broader growth strategy truly set them apart.

Are there any areas for improvement or something UpCodo Digital could have done differently?

Overall, the experience was excellent. The only area for improvement would be to further streamline communication during rapid iterations, but their responsiveness and commitment consistently made up for it.