

# CUSTOM APPLICATION FOR DIAGNOSIS CODING GENERATION

All-In-One Platform for Digitizing Medical Codes



Mastery in  
Software  
Engineering

## Key Facts

-  Industry: Healthcare
-  Team Size: 3 People
-  Duration: 5+ Years (ongoing)
-  Technologies:
  - React, NodeJS,
  - Neo4 with Cypher queries,
  - Heroku, JMeter, Cypress
-  Services:
  - Software Development, QA
  - Project Management,
  - Software Architecture, UI/UX,
-  Digitalization of Patient Data

## Highlights

- A state-of-the-art tool used by doctors, insurance companies and coders to easily identify and document ICD-10 codes.
- It leverages an innovative search module designed to shorten the search time and provide accurate results to physicians.
- The team at Fortech firstly developed the MVP and now covers the complete product development life cycle.



## Solution

Disruptive web and mobile application for physicians that accurately translates the clinical narrative into a standardized and internationally recognized diagnosis code. The intuitive interface facilitates the search through a variety of filters (patient list management, disease status, anatomy elements, specialty, lexical or hybrid search). This feature speeds-up the process, and it offers doctors faster, more accurate coding.

ICD-10 is the 10th revision of the International Statistical Classification of Diseases and Related Health Problems (ICD), a medical classification list by the World Health Organization (WHO). It contains codes for diseases, signs and symptoms, abnormal findings, complaints, social circumstances, and external causes of injury or diseases. This three to six characters code is required by insurance companies after each medical appointment in several countries.

Prior to the digitalization of this process, physicians could find the correct code by either looking them up in specialty books, PDF documents or by relying on different text search applications. Almost 30 countries use the ICD-10 codes for reimbursement and financial allocation in the healthcare sector.

## Collaboration

When approaching our company, the client was looking for a reliable and agile product development partner. The collaboration began with the development of an MVP of the application. A project-team was rapidly set-up (software developers, UI specialists, QA engineers). The next step was to learn the healthcare terminology in record time in order to guide the client into every aspect of the development process. By working closely with the customer, in order to establish the necessary specifications, the implementation of a minimal demo was successfully completed.

After a positive response from the market in the testing phase, Fortech is developing the complete software platform that currently is used by hundreds of healthcare providers.

The team at Fortech (software developers and project manager) is responsible for the implementation of new features and maintenance of both app (dashboard app and clinical app) and APIs (users API and clinical API).

## Client Benefits



### INDUSTRY COMPLIANCE:

Quality-gate alignment with industry standards.



### PARTNERSHIP:

Full product development support and technical guidance.



### TIME TO MARKET:

Fast delivery.





# ABOUT FORTECH

Fortech is a top Romanian software development company headquartered in Cluj-Napoca. With a workforce of 800 people, Fortech has been repeatedly recognized by Deloitte, EY, and Forbes for its fast-growing, entrepreneurial journey.

With expertise and a strategic focus across healthcare, financial services, automotive sectors, and more, we cover the end-to-end software lifecycle development to deliver the innovation, scalability, quality and speed our clients need.

Our approach to software engineering combines strong technology and process know-how, Agile delivery methods, and a blend of code quality practices and metrics refined in almost two decades. Since 2003, two hundred clients chose Fortech as their tech partner.

Access our expertise: [www.fortech.ro](http://www.fortech.ro)

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