



## CASE STUDY

# 30% PRODUCTIVITY BOOST FOR A MEDTECH LEADER

Improved healthcare with design and implementation of a Medical Devices Tracking and Analytics solution

## Client Background

Our client is a leading medical technology company. The key objectives for this engagement included tracking and analysis of patient devices and the ability to view the captured data in a simplified form using dashboards with role-specific access. The client also wanted the ability to Add/Remove/Update new patients/users from a list of device users.

## Xoriant Solution | Key Contributions

- At the front end, converted the analyzed data into readable, meaningful graphical format using JavaScript libraries like D3 and High Chart. Developed responsive dashboards using latest technologies like AngularJS, Bootstrap 3.0, and LESS to ensure all screens/resolutions/devices provided seamless UX.
- In the middle tier, used Nodes.js single thread. Also, used an Event Loop Model for increased scalability.
- Developed a backend REST API Server in Node.js to handle the Linux of network track. Used Cassandra and in-memory data manipulation to handle big data through dashboards.
- Configured SSL for client-server communication to maximize data security. Role authentication and access control of di errant administrators and supervisors using OAuth 2.0.
- Used Grunt to ensure seamless systematic deployment.
- Tested developer concept and executed automation test scripts using Grunt, Jasmine and Protractor for error-free deployment.

## Technology Stack

**NodeJS | Cassandra | Angular JS | Bootstrap | Less | Grunt | Protractor | JSDoc**

## KEY BENEFITS

- 30% increase in productivity which led to a faster decision-making process.
- Enabled better medical care and increased the user base with the ability to easily trace patient's data.
- 20% reduction in turnaround time by providing various administrators with simplified data access.



Xoriant is a product engineering, software development and technology services company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our eight global delivery centers with over 3600 software professionals. Xoriant has deep client relationships spanning over 30 years with various clients ranging from startups to Fortune 100 companies.