case study:

BIOTELEMETRY (OWNED BY PHILIPS)

code scientists

Code Scientists is a software development firm specializing in web applications, web services, and internet-enabled devices for companies with complex processes. We provide human-to-technology and technology-to-technology interface solutions.

Need:

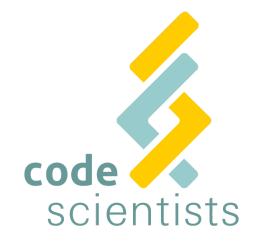**Software solutions conveying remote heart rhythms for analysis**

BioTelemetry (owned by Philips), a world leader in the field of Mobile Cardiac Telementry, has worked with Code Scientists, LLC for almost a decade. A patient wears a patch or leads on their chest. Sensors collect ECG data, which is sent to data centers where clinical technicians and physicians review heart rhythms for anomalies.

Solution:

Code Scientists, LLC created software solutions that those clinical technicians and physicians use to analyze, categorize and report heart arrythmias for patients all over the world. We've been involved in algorithm development, regulatory processes and approvals, as well as firmware for some BioTelemetry devices.

Skills used:

- Angular, Microservices, Java, Springboot, GraphQL
- Angular, asp.net, and C#
- OAuth, OpenID, and various identity providers
- C++
- Python
- Microcontrollers
- Embedded Linux
- AWS and Azure