

**INDUSTRY: MEDICAL TECHNOLOGY**

# SURGICAL THEATER

*Surgical Theater Uses Dotfuscator to Protect their C# Code*



## WHO IS SURGICAL THEATER

Surgical Theater, the market leader in virtual and augmented reality-based healthcare services, is the first to apply cutting-edge technology, originally developed for fighter jet flight simulations, to the medical domain. Their products construct a 360-degree virtual reality environment based on a patient's own anatomy and pathology data that's acquired via medical imaging (CT, MRI, DTI, etc.) and uses it to help with neurosurgery, cardiac surgery, spinal surgery, and plastic surgery.

This first of its kind immersive environment has revolutionized patient engagement opportunities in the clinic, while providing innovative surgical planning and navigation capabilities in the operating room, as well as powerful tools for medical education and collaboration.

Surgical Theater's products have advanced surgeries at some of the top hospitals and medical universities in the nation, including: University Hospitals, Mayo Clinic, and Stanford University.

## IP PROTECTION WITH DOTFUSCATOR

With Surgical Theater's advanced algorithms and sophisticated user interface, they knew they had an app worth protecting. To better defend their product against hackers, Surgical Theater ran a pen test with an application hardening company to discover their software vulnerabilities. The company also recommended PreEmptive's Dotfuscator protection to prevent reverse engineering of their IP.

After conducting online research for themselves, Surgical Theater

found several reviews of Dotfuscator as well and decided they didn't need to look any further for a solution.

During the onboarding process, the PreEmptive customer success team provided a comprehensive overview of Dotfuscator and numerous application hardening strategies, like obfuscation and runtime checks, that Surgical Theater developers could add to their product code. To this day, they use this same process during product updates.

## FINDING SUCCESS

Surgical Theater's intellectual property is their most valuable asset. "If someone steals that and duplicates our system, we close shop," says Co-Founder Alon Geri. That's why they trust Dotfuscator to protect all four of their products.

"You run it. It's simple. I don't need to do too many things to make it work and it's part of my flow today," adds Geri.

While Surgical Theater has a patent on their products, using Dotfuscator provides a physical layer of protection to make reverse engineering more difficult and less likely.



"It's very easy to work with and your product doesn't add a burden or any problem to my normal flow of releasing a version. On the contrary. It's very seamless. Please don't change it."

**ALON GERI**  
CO-FOUNDER & CHIEF  
SOFTWARE ENGINEER AT  
SURGICAL THEATER