

# EXPERIENCED APP DEVELOPMENT

Reach success with beautiful, scalable solutions and honest project management

Imagine sitting in a doctor's office, the physician wheels in a cart of electronic equipment, attaches a few electrodes to your skin, and asks, "Do you have any idea how this works?"

Technology that isn't accessible, isn't great technology. DornerWorks has been helping companies simplify and focus their approach to mobile applications by taking the **whole product lifecycle** into account, and providing expert engineering guidance.



## Bring **innovation** and **confidence** to your application development



A medical device manufacturer was hoping to improve upon their prosthetic arm technology. Their current product required as many as *seven different software packages* for a technician to interface with the device, an impracticality that led to much user frustration. They needed a partner who could guide them through the full cycle of application development.

DornerWorks guided the client toward a portable app that allowed the technician ease of movement, and a faster understanding of their patient's issues. A graphic designer was brought in to build the beautiful and simplified new interface. Meanwhile, DornerWorks' hardware team designed the boards to be used in the device, the firmware team wrote the software for the boards, and the web development team wrote the mobile app and website.

Through further iterations, DornerWorks helped the client build a product that **outpaced its competition** through *ease of use* and *eager adoption* by pleased health care providers.

## Cross-platform, cross-discipline **mobile application experience**

### Mobile Apps & UX Design

High-level design work, focusing on a delightful User Experience (UX) that meets the requirements of Human Factors analyses for FDA approval.

- Medical devices
- Technical support tools
- Commercial products
- Internal security demos
- Cross-platform solutions

### Payments & Secure Applications

Years of experience with multiple payment platforms and approaches to data security, from those used by the largest banks to payment-processing start-ups. Our benchmarks exceed Payment Card Industry Data Security Standards (PCI-DSS)

- User-facing payment apps
- Web-based payment forms
- Merchant applications
- Fraud prevention systems
- Recurring billing systems

### System Integration

DornerWorks clients benefit from added efficiency when integrated system components are developed by an integrated, co-located team.

- Clear communication
- Quicker issue resolution
- Aligned priorities and concerns
- Reduced development cost
- A better overall product due to whole-product visibility



[www.DornerWorks.com](http://www.DornerWorks.com)  
[sales@DornerWorks.com](mailto:sales@DornerWorks.com)  
616.245.8369



## Revitalize your technology by enabling **new features**

For a client's environmental quality monitoring IoT device troubled with unstable Bluetooth connections, DornerWorks engineers were able to locate and diagnose the issues, and using a USB OTG UART connection instead, enabled faster data parsing and more reliable speed. A port of a Windows app, meanwhile, flashes firmware updates via the UART, while the WiFi connectivity can be tested by using a mobile device.

As a result of this development, the client has since been able to update translation strings and other images or PDF links without needing to rebuild their application: simply copy a zip file to the phone and run a command to point to the zip file and it unpacks and reloads the assets dynamically.

## Meet your application goals with a **whole-product approach**

When product developers have an idea they need to move on quickly, piecing together development sprints with a list of contractors is one way they can slow their development down to a standstill. Successful technology development is based on clear communication, transparent project management, and the expertise to help people easily understand and use the technology themselves.

DornerWorks has years of experience in application development, software and firmware design. It's what brought consumer product manufacturer **Traeger** to work with us, resulting in the development of their *award-winning* and *market leading* line of wireless grills. Paired with demonstrated ability for meeting strict requirements, and an intimate knowledge of various industry platforms, DornerWorks can help you build your next stand-out product, too.



DornerWorks is a **true development partner**, one with the expertise to help grow your business, enhance your product-based revenue streams, and widen your product portfolio.

### Get started today!

Our simple 3-step plan will determine a technology development course of action that best fits your needs.



Start

Develop



Deliver