

Derek Gates

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Seeking a challenging workplace with projects destined for the web. I look to further my knowledge in website and application development while utilizing my back-end knowledge to power these projects.

Interface design is my passion.

- Proficient with C#, HTML + CSS, interface design with 12 years experience.
- Diverse knowledge of ASP.net, Javascript, My/SQL DB with 8 years experience.
- Familiar with continuous integration, cloud systems (Azure, AWS, etc) and DevOps with 4 years experience.
- Experienced working in teams, working remotely, and working independently. Familiar with Team System and Agile work flows.
- Toastmasters member. Not afraid of large audiences and presentations. I love to talk about and explain systems to other members of a team. Mentorship is a strong point for me.

ActiGraph 2009-2017 (Software Developer & Web Development Contractor)

- Developed and iterated on a subject activity data acquisition system, CentrePoint, that allowed for subject assignment and uploading from wearable devices to the cloud for major pharmaceutical companies . Website worked in concert with desktop application, ActiSync, to allow initialization and downloading of data from activity trackers worn by subjects across the globe. Features included a public API, data charting, data exporting, auditing, user roles and permissions, etc. Full isolation of development and production systems were designed, and a managed continuous integration system was put into place. Utilized ASP.net, ASP SignalR, Bootstrap/Javascript front-end with MySQL (later SQL Server) database back-end. I was lead back-end developer, usability expert, release manager, and finally DevOps for this project. *[2013-2017]*
- Designed and maintained a continuous integration system using TeamCity. This build server was initially migrated from CruiseControl and eventually handled all desktop and web services under the software team of ActiGraph. Work on TeamCity was coupled with knowledge and experience in Azure and AWS for deployment and management of our cloud infrastructure. *[2013-2017]*
- Created and maintained synchronization software for ActiGraph wearable devices, called ActiSync. This software was initially used to transmit data to Virtual Trainer but was later used with CentrePoint. ActiSync is a tray application that works via USB to acquire data in a safe manner from subject worn devices. ActiSync was able to be instructed via CentrePoint via SignalR to perform business logic tasks. I maintained this software across many versions of Windows, created update system via custom API and installers (using NSIS), and ensured reliability of this software for many hundreds of installed systems. *[2010-2017]*
- Developer on Actigraphy researcher application, ActiLife, which provided data acquisition and analysis for subject data from the field. ActiLife was the leading analysis software in the Actigraphy field and used by major universities. This software is a desktop C# application. I was tasked with user interface work, integration between USB/ANT+ devices, charting, update system, etc. *[2010-2013]*
- Lead usability expert and front end developer on Virtual Trainer, an online health and fitness tool. Leveraged ASP.net MVC, jQuery and CSS to revitalize existing analytical site into a consumer friendly portal. *[2009-2010]*
- Developed HTML/CSS template from design mockups, created Wordpress CMS template solution for ActiTrainer and ActiGo product release. Included jQuery image rotator and front page gallery. *[2009-2010]*

Contract 2009-2010 (Software Engineer & Web Development)

- Developed DB backend, SOAP API and administration site (ASP.net MVC) for Tellus Point, a GPS based historical

touring application designed for mobile phones (iPhone, Android and Windows Mobile). [2009-2010]

- Developed Voice of McDonald's contest site, a global multi-lingual site for the McDonald's corporation. Site is a contest based uploading site, utilizing DotNetNuke and ASP.net. Multiple phases developed for users including social networking aspect. [2009]
- Developed modular, cross browser JavaScript galleries for two local designers using the jQuery framework. [2009]

Brand Asset Digital 2004-2009 (Software Engineer)

- Software Engineer on peer-to-peer streaming application, LiveCDN.
- Site designer for administration of LiveCDN. Interface designed for hundreds of servers and users with key focus on managing large data sets quickly.
- Back-end web developer for Brand Asset Digital including work on an Analytics package.

Beyond Media 2007-2008 (Subset of Brand Asset Digital, Software Engineer)

- Network developer for the BeCast client and server applications (C#). A peer-to-peer mesh based live streaming platform. Platform delivered up to 80% efficiency.
- Interface designer for windows BeCast client. Included fully skinnable interface, developer API and marketing materials. Developed company pages utilizing ASP.net.

P2P Engineering 2004-2008 (Subset of Brand Asset Digital, Software Engineer)

- Main developer on C# peer-to-peer software for content delivery on major peer-to-peer network. Delivery system has 80% market penetration in existing network of 2+ million users. This system became the advertising platform P2PWords.
- Developed modular advertising system for delivery on peer-to-peer networks. System included an ASP.net templating system, desktop site editor and administrative reporting portal.
- Developed content management system for sales department. This software provided content for the distribution services over peer-to-peer networks using Windows Forms.
- Developed in-house monitoring application to automate administrative tasks such as software restarting and system health. This software oversaw the main network consisting of over 200 systems and was developed in C# and Windows Forms.
- Team leader during Agile development overseeing 2 team members.