**CONFLUENCE 2015 - PRESENT**

Senior Software Engineer (Full-Time Remote Position)

* Responsible for new feature development on the Budgeting / Expense Management product.
* Developed full-stack software solutions to complex business problems leveraging advanced technologies such as Event Sourcing, CQRS, and Functional Programming.
* Quickly recognized as a key team member and successfully led the development of a major feature within the Budgeting product (including task development, coordination, and implementation).
* Responsible for technical documentation development on the Confluence wiki.

**CURRICULUM LOFT 2014 - 2015**

ASP.NET Full-Stack Developer (Full-Time Remote Position)

* Responsible for new product / feature development utilizing technologies such as ASP.NET MVC, ASP.NET Web API, Bootstrap, JQuery, KnockoutJS, Typescript, HTML5/JS/CSS3, SQL, MongoDB, StructureMap, etc...
* Responsible for field product support including triaging / correcting issues as they are reported by customers and / or the dedicated support team.
* Responsible for production deployments of the ASP.NET products to over 1000 schools via a Continuous Integration server (TeamCity).
* Responsible for technical documentation development.

**HILL-ROM 2001 - 2014**

Software Engineering Specialist (New Product Development)

* Worked with multiple disciplines to improve our engineering toolset including task tracking, source code management, and requirements management tools.
* Architected and developed a Microsoft .NET service capable of aggregating and normalizing data received from up to 1000 connected hospital beds.
* Designed, setup, configured, and managed a development network consisting of multiple physical and virtual servers, wired and wireless technologies, and multiple embedded medical devices.
* Developed a “Connectivity Sales Toolkit” to allow the sales force to demonstrate and discuss the concept of the “connected hospital bed”.
* Developed UL60601-1 / UL60950 compliant hardware and embedded software for an Ethernet gateway device as well as an embedded Wi-Fi gateway device for hospital beds.

**Cincinnati Inc. 1998 - 2000**

Laser Production Engineer (Intern)

* Development a documentation standard and repository solution.

A well-respected ASP.NET Full-Stack Developer / Software Engineering Specialist capable of taking ideas from concept to production. Keith has over 13 years of experience developing both pure software systems as well as embedded electro-mechanical systems for the education and medical device markets.

Keith currently holds 13 US patents for various medical devices and software systems.

Keith is also a volunteer firefighter who enjoys cycling, snow skiing, and camping.

Keith Huster

ASP.NET Full-Stack Developer / Software Engineering Specialist

© Keith Huster + Mobile 812-584-1876 + Email husterk@gmail.com

// SOCIAL

// Contact



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Sunman, IN 47041

**LinkedIn**linkedin.com/in/husterk



// Experience

// Profile

**Microsoft ASP.net Development + + + +**

* Strong C# development skills including experience with the various .NET frameworks (up to v4.5.1).
* Implementing Inversion of Control / Dependency Injection patterns via StructureMap.
* Implementing multi-threaded / highly concurrent applications via the async / await pattern.
* Developing ASP.NET MVC and ASP.NET Web API applications for production environments.
* Developing Single-Page Applications (SPAs) using a variety of technologies including Bootstrap, JQuery, KnockoutJS, AngularJS, HTML5 / Javascript / CSS3, Typescript, etc…).
* Implementing both traditional SQL and modern No-SQL (MongoDB) data storage technologies.
* Implementing Unit / Integration tests using mocking frameworks such as Moq and TypeMock.

**Microsoft .net APPLICATION Development + + + + +**

* Strong C# development skills including experience with the various .NET frameworks (up to v4.5.1).
* Implementing WinForms graphical user interfaces and backing applications.
* Implementing Windows Services for integration into distributed architectures (service-oriented architectures).
* Implementing multi-threaded applications via the Concurrency & Coordination Runtime (CCR).
* Connecting .NET applications to embedded devices via TCP/IP and / or legacy serial protocols.

**Embedded Systems Development + + + +**

* Strong embedded hardware / firmware (Embedded C) design and development skills.
* Implementing bare-metal firmware for control of low-end microcontrollers.
* Implementing firmware within the context of a real-time operating system (RTOS).
* Connecting embedded devices to backend applications via TCP/IP and / or legacy serial protocols.

**Medical Device Development + + + +**

* Developing production-quality medical devices following the FDA regulations.
* Documenting the product development process (requirements, design, and testing documentation).
* Providing field support for legacy devices.

**Requirements Development + + + + +**

* Strong knowledge in requirements development under both waterfall and Agile development strategies.
* Experience with FDA / UL regulated design controls, hybrid requirements models, etc…

**SERVER / NETWORK MANAGEMENT + + + +**

* Deploying both physical and virtual servers within a virtualized environment (VMware ESXi).
* Installing and configuring hypervisors (VMware ESXi) and the associated clients (vSphere).
* Deploying layer-2 networking devices including switches (Cisco) and software routers (pfSense).
* Deploying enterprise-grade Wi-Fi networks using Cisco WLAN controllers and lightweight access points.
* Implementing VLAN segmenting for subnet isolation.

**General Skills + + + + +**

* Strong PC usage and management skills (network configuration, virus removal, etc…).
* Strong Microsoft Office skills (Word, Excel, Powerpoint).
* Quick to learn new technologies / techniques and apply them to the task at hand.

// Skills

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**PROFESSIONAL**

* Inventor of 13 US patents for Hill-Rom (more in process).
* Awarded Hill-Rom’s “Patent of the Year” twice (runner up once).
* Awarded Hill-Rom’s “President’s Innovation Award”.
* UL60601-1 Certification training from UL University.
* Founded *VFD Software Solutions* small business.
* Webmaster for *The Hooker Deer Drag Co., LLC*.
* IT Admin / Webmaster for the *Sunman Rural Fire Department*.
* Started home-based consulting engineering company.

**ACADEMIC**

* M.S. Software Engineering (Drexel University).
* B.S. Electrical Engineering (Rose-Hulman Institute of Technology).
* Completed Fundamentals of Engineering (FE) exam.
* Awarded senior project funding by the National Collegiate Inventors and Innovators Alliance and the Lemelson Foundation.

**Personal**

* Started distance cycling and Crossfit to improve overall health.
* Volunteer firefighter since 2004 (firefighter of the year in 2007).
* Promoted to Lieutenant Firefighter in 2014.



**Sunman Rural Fire Dept.**

**Lieutenant, Firefighter I / II**

Volunteer firefighter with HazMat Awareness and CPR / First Aid certifications.

**Lambda Chi Alpha**

**Brother (Rose-Hulman)**

Active member of the fraternity and participated in numerous philanthropic activities.

**Upsilon Pi Epsilon**

**Member**

Honor society for the computing and information sciences disciplines at Drexel University.

// Affiliations

// Accomplishments



// Education

**B.S. Electrical Engineering  
1998 - 2002**

Rose-Hulman Institute of Technology  
GPA: 3.19 (4.0 Scale)

**M.S. Software Engineering  
2007 - 2010**

Drexel University  
Philadelphia, PA  
GPA: 3.77 (4.0 Scale)

**Firefighter I / II  
  
2003 - 2004**

Sunman Rural Fire Department

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**Dan Tallent**

**Core Team Leader, Hill-Rom**

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**Mike Hilligoss**

**Dir. Software Development, Curriculum Loft**

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// References

**Stephen Flint**

**VP of R&D, Medela, Inc.**

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