

Web scale, sharded data, solid architecture, web APIs, in The Cloud, and stylish, usable web UIs. Yep, I do that. My goal is to work with great people in a great environment on challenging, interesting apps that users love.

Professional Experience

Nov. 2009 – present Senior Engineer, [G2 Systems, LLC](#), Pittsburgh, PA

- Designed user experience and interaction for a new product.
- Refactored data import and translation component for higher performance and dependency-ordered processing.
- Skills and technologies: Java, Hibernate, HTML, CSS.

Feb. 2007 – Nov. 2009 Senior Software Architect & Web Developer, [mSpoke, Inc.](#), Pittsburgh, PA

- Implemented Web tier MVC components, Web APIs, and UIs in [FeedHub](#), and for administering various aspects of mPower systems.
- Designed and Implemented complex architectural components, such as a content scoring and ranking framework, and custom database partitioning and Map-Reduce style query engine.
- Integrated mPower with customers' existing infrastructure, including databases and third-party email marketing services.
- Skills and technologies: Java J2SE, J2EE, Amazon AWS (EC2, RDS, EBS, ELB, S3), Spring, JPA, Hibernate, JMS/OpenMQ, Lucene, LAMP, Javascript, Dojo, jQuery, HTML, CSS.

Nov. 2003 – Jan. 2007 Lead Software Architect, Adhoc Mobile, LLC, Los Angeles, CA

- Led a team of 5 Software Engineers in architecting an advertising system for mobile devices and for a distributed, social, mobile gaming environment.
- Ensured quality and consistency of architecture, design, implementation, testing and deployment.
- Managed project milestones, and ensured they were met by engineering staff.
- Designed and implemented server-side REST and XML web services, and J2ME mobile applications.
- Designed and implemented an advanced user interface API and library for mobile devices.
- Skills and technologies: Java J2SE, J2EE, Tapestry, J2ME, Ruby, Rails, JSP, (X)HTML, XML, REST, Web Services, Apache, Tomcat, Postgres.

Jun. 2001 – Feb. 2004 Project Engineer, Institute for Computer Assisted Orthopaedic Surgery, Pittsburgh, PA

- Worked with three surgeons, surgical staff, two research scientists, and a team of six developers.
- Developed computer assisted surgery software systems for Adult Joint Reconstruction surgery
- Developed software to visualize clinical CT scans.
- Skills and technologies: C, C++, 2D and 3D Graphics with OpenGL.

Sep. 1999 – Apr. 2001 Product Development Lead, [Inmedius, Inc.](#), Pittsburgh, PA

- Led a matrixed team of three engineers, two interaction designers, and a graphic designer

- Architected, designed, and implemented the Mentor workflow and collaboration software product.
 - Worked with marketing and sales staff to bring the product to market.
 - Skills and technologies: Java, Apache, Tomcat, JBoss, Oracle, Sybase, MS SQL Server, XML.
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Skills

- I have 12+ years experience building and deploying large scale, distributed, web and mobile applications.
 - I live the web stack, and am fully buzzword compliant. MySQL & PostgreSQL, Spring, JPA & Hibernate, Java & Scala, Tomcat, Apache, all the browsers, HTML, CSS, Dojo, jQuery & custom Javascript.
 - Strong Software Engineering background: software architecture, object oriented analysis and design techniques.
 - Software development processes: software lifecycle models, quality assurance, configuration management, metrics and measurement procedures.
 - Software project management theories and practices.
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Education

- 1996–1998 Masters of Software Engineering, Carnegie Mellon University *Pittsburgh, PA*
 - 1991–1995 Bachelor's of Computer Science, West Virginia University *Morgantown, WV*
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What Else?

- I am an active member of [St. George Orthodox Church](#) in New Kensington, PA: Music & Choir Director and Head Chanter, member of Parish Council, and webmaster.
 - I am a trained operatic Baritone (), and a member of the Orthodox Sacred Music Chamber Choir.
 - I have composed and arranged several Orthodox hymns in the Byzantine and Russian styles.
 - I have a 1st degree black belt in Tae Kwon Do and in Shotokan Karate, and a blue belt in Aikido.
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References available upon request