

## EMPLOYMENT

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<b>Senior Software Engineer</b>	<b>CommerceHub</b>	<b>Aug 2016 – Sep 2017</b>
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### Product Catalog Team, DemandStream:

- Developed components to consume merchant product feeds and showcase on product catalog website. C#, MVC, Web API, REST, .Net 4.6, Elasticsearch, AWS, MSMQ, NuGet, Git, MSTest, JSON.
- Elasticsearch POC. Designed component to push to, query from Elasticsearch using NEST library. Configured AWS stack using CloudFormation, AWS CLI. Product catalog size of 30 million and 1TB of data.
- Heavily involved in splitting the monolithic repository into components with their own NuGet packages.
- Designed and implemented component to process data quality issues for products using MSMQ.
- Provided design direction, performed code reviews, advocated best practices, mentored peers, Git ninja.

<b>Software Engineer</b>	<b>Cigniti Inc</b>	<b>Sep 2008 – Aug 2016</b>
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### Houghton Mifflin Harcourt (HMH) Website Redesign:

- Rebuilt HMH website. C#, WCF, REST, .Net 4.0, Sitecore, jQuery, NUnit, Moq, Unity DI, TDD, MSMQ.
- Designed the system architecture with Solutions Architect during early stages, quickly developed proof of concepts, performed pros and cons of tools and frameworks.
- Implemented a User Store as WCF service by extending ASP.Net Membership user store to perform account actions, built user account UI pages, Email Service to notify upon actions.
- Built a wrapper factory class to choose implementations using Unity Dependency Injection (DI) at runtime.
- Wrote 400+ unit and integration tests, followed TDD, used NUnit, Moq.
- Tuned WCF services by configuring service behaviors, binding timeouts, connections limit.
- Authored best practices documents for unit and integration testing, NUnit, Moq, Unity.

### Omni Hotels Website Redesign:

- Rebuilt Omni Hotels website. C#, .Net 4.0, Sitecore 7, Solr, jQuery, NUnit, Unity DI, MSMQ.
- Used Solr to index and search Sitecore content items as Hotels, Destinations, Specials.
- Used Microdata for tagging content on pages to show rich snippets in search results.

### NFP Website Redesign:

- Rebuilt NFP website. C#, ASP.Net MVC 5, .Net 4.5, jQuery, AngularJS, JSON, REST.
- Created flexible system architecture to work for URLs with any level depth using common MVC Views and Partial Views and to save page content in JSON files with caching.
- Used MvcSiteMapProvider tool for menus, generating sitemap.xml with dynamic links, page's breadcrumb, page's robots meta tag, page's visibility in sitemap.xml and breadcrumb, highlighting of active menu item.

## GITHUB PROJECTS

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- **C# Extension Methods:** Utility methods for types as Enum, IEnumerable, String, etc. C#
  - **Trie:** Trie data structure implementation. C#
  - **Git Shell Setup:** Git hooks system (global, local hooks), utility shell scripts, configuration for HOME dir. Shell
  - **2048 Game:** Website clone of 2048 game. JavaScript, jQuery
  - **Email Template Replacer:** Implementation to replace tokens in email templates using reflection. C#

## EDUCATION

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<b>M.S. Computer Science</b>	<b>Southern Methodist University</b>	<b>Aug 2003 – May 2005</b>
<b>B.E. Computer Engineering</b>	<b>Mumbai University, India</b>	<b>Aug 1998 – Jun 2002</b>

## TECHNICAL SKILLS

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- Languages: C#, Java, Shell, Python, jQuery, JavaScript, HTML, CSS
  - Web Services, REST, .Net, ASP.NET MVC, WCF, Visual Studio, SQL, NUnit, Entity Framework, LINQ-SQL