

EMPLOYMENT

Senior Software Engineer	CommerceHub	2016 – 2017
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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.

Software Engineer	Cigniti Inc	2008 – 2016
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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.

Software Engineer	Lamp Technologies LLC	2005 – 2008
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GITHUB PROJECTS

- **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

M.S. Computer Science	Southern Methodist University	2003 – 2005
B.E. Computer Engineering	Mumbai University, India	1998 – 2002

TECHNICAL SKILLS

- 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