

## EMPLOYMENT

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| <b>Software Development Engineer</b> | <b>Stackline</b> | <b>2017 – 2018</b> |
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### Atlas:

- Ecommerce analytics platform. Used AWS, Web API, REST, C#, .Net Core, Elasticsearch, Docker, NuGet, EC2.
- Built backend API component in C# for top 5 products within brands, categories, market segments.
- Heavily used dynamically generated Elasticsearch aggregation queries with parent-child mapping.
- Achieved 5 sec page-load SLA with 2-level caching with ElastiCache for Elasticsearch index size of 250 million.
- Used Elasticsearch scroll API with HTTP chunking for large report file downloads.
- Setup CI/CD pipeline with zero downtime on AWS using Docker, ECS, EC2, CodePipeline, CloudFormation.

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| <b>Senior Software Engineer</b> | <b>CommerceHub</b> | <b>2016 – 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.

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| <b>Software Engineer</b> | <b>Cigniti Inc</b> | <b>2008 – 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 system architecture with Architect, developed prototypes, recommended tool and frameworks.
- Built WCF services for User Store on ASP.Net Membership for user account pages, and Email Notifications.
- 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. Authored best practices documents.
- Tuned WCF services by configuring service behaviors, binding timeouts, connections limit.

### 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.

## 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>2003 – 2005</b> |
| <b>B.E. Computer Engineering</b> | <b>Mumbai University, India</b>      | <b>1998 – 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 Code, SQL, NUnit, Entity Framework, LINQ-SQL