
EMPLOYMENT

Senior Software Engineer	Starbucks	2018 – Current
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Starbucks Stored-Value Card (SVC) APIs:

- Rebuilt SVC Redeem, Reload, Balance REST APIs in Cloud. 25M+ requests per day, 750 peak RPS, 300 avg RPS, representing \$30M+ in financial transactions per day.
- Oversee project timelines, schedule, quality, risk management, collaborate with project stakeholders daily.
- Design performant, scalable, highly available APIs. Use Polly policies for fault-tolerance and resiliency.
- Provide architectural direction following Cloud design patterns to team, write technical documents, perform code reviews, advocate best practices, evangelize new technologies, mentor peers, conduct interviews.
- Author of 3 open-source helper NuGet libraries used across multiple APIs.
- Received recognition for operational support. Resolved several critical on-call incidents across multiple APIs.
- Rebuilt SVC Reload REST API in Cloud. 1M+ requests per day, \$20M+ in financial transactions per day.
- Made critical design decisions for Reload API to achieve sub 4 sec avg from 5.5 sec avg, 7 sec P99.
- Wrote HTTP logger to log HTTP requests and responses with PII and sensitive headers masked.
- Implemented an extensible test hooks framework using HTTP request header to simulate error scenarios.
- Using Azure, REST, Idempotency, .Net, Service Fabric, Cosmos DB, Event Hub, Service Bus, Azure DevOps.

Software Development Engineer	Stackline	2017 – 2018
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Atlas:

- Built Ecommerce analytics platform. Used AWS, Web API, REST, C#, .Net, Elasticsearch, Docker, NuGet, EC2.
- Built backend API component in C# for top 5 products within brands, categories, market segments.
- Achieved 5 sec page-load SLA with 2-level caching with ElastiCache for Elasticsearch index size of 250 million.
- Setup CI/CD pipeline with zero downtime on AWS using Docker, ECS, EC2, CodePipeline, CloudFormation.

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 SME. 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.

Software Engineer	Cigniti Inc	2008 – 2016
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- Rebuilt websites for clients. C#, WCF, REST, .Net 4.0, Sitecore, jQuery, NUnit, Moq, Unity DI, TDD, MSMQ.
- Designed system architecture with Architect, developed prototypes, recommended tools and frameworks.
- Wrote 400+ unit and integration tests, followed TDD, used NUnit, Moq. Authored best practices documents.

GITHUB PROJECTS

- **C# Extension Methods:** Utility methods for types as Enum, IEnumerable, String, etc. C#
- **Trie:** Trie data structure implementation. C#
- **Random2:** Few fast thread-safe Random implementations. C#
- **Delegating Handlers:** A cluster of Delegating Handlers (Chain-of-Responsibility pattern) for HttpClient. C#
- **2048 Game:** Website clone of 2048 game. JavaScript, jQuery

EDUCATION

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

TECHNICAL SKILLS

C#, Cloud, Azure, REST, APIs, Microservices, HTTP, .Net, NoSQL, Shell, Python, Java, ASP.NET, SQL, NUnit, Git