NEHA SINHA

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EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO *September 2015 - March-2017*
Masters in Computer Science Overall GPA: 3.75/4

M.S. RAMAIAH INSTITUTE OF TECHNOLOGY, INDIA *September 2009 - May 2013*
Bachelor of Engineering in Computer Science Overall GPA: 9.54/10

EXPERIENCE

UNIVERSITY OF CALIFORNIA, SAN DIEGO August 2016
Teaching Assistant, San Diego

- Course: Enterprise-class Web Applications
- Role: Assisted a project oriented class of 30 students independently or in small groups
- Technology used: MySQL, MVC architecture, API, ajax, knockout.js, MOQ framework

MICROCHIP TECHNOLOGY July 2013 - May 2015
Software Engineer I, Bangalore, India

- Designed and Implemented APIs to be used by all the e-commerce projects of the organization
- Devised a strategy for data access repository using Entity Framework and ASP.NET MVC 5
- Created caching technique to store product attributes and invalidate cache objects upon changes in physical storage
- Added and enhanced several critical features like lead time (similar to wish-list), add to cart on login landing page, on the e-commerce site www.microchipdirect.com
- Automated the process of creating the implementation document which ensured zero rollback during production push
- Created test cases and performed manual testing(UAT) on e-commerce and internal applications

PROJECTS

- **Web Application:** *AngularJs, HTML , CSS, Bootstrap, Ajax, API*
  Designed and developed my personal web portfolio from scratch
  Developed mini web applications like random quote generator and weather app
- **Distributed File System:** *Java*
  Implemented RMI library (Remote method invocation) in distributed systems. Developed a simple distributed filesystem using the RMI library
- **Hadoop Scheduler With Deadline Constraints:** *Java*
  Designed and implemented an algorithm for hadoop scheduler with the feature of deadline constraint

TECHNICAL STRENGTHS

Programming Languages	C/C++, C#,ASP.NET(Web forms & MVC)
Web Technologies	HTML/CSS, JavaScript & jQuery, Ajax, XML, web services/APIs, AngularJS, Bootstrap
Database Technologies:	RDBMS : SQL, stored procedures
Tools:	FxCOP, Microsoft Visual Studio, MySQL, Docker, Git, SCM
Skills:	OO Design Patterns, Software Development

RELEVANT COURSES

Design & Analysis of Algorithms	Functional Programming
Database	Distributed Systems
Cloud Computing	Web Technology