**NITESH SINHA**

Age: 26 years | Email: [niteshsinha.mail@gmail.com](mailto:niteshsinha.mail@gmail.com) | Mobile: **+91 96655 96835** |**Pune, India**

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| **Summary** |
| **Professional Skills:** Software Design, Software Development, Requirement elicitation, Test Driven Development, Performance benchmarking.  **Other Skills & Passion**: Problem solving, Team player, Mentoring, Leadership, Agility, Adherence to Timelines, Open Source Software.  **Journey so far**: I have been fortunate to have performed well in areas of my interest in computer science, both in school and college. So far, I have garnered valuable experience in defining problem statement and coming up with an optimal solution. Developing code, creating complete testing suite and delivering the product on time of high quality.  **What I look forward to? -** I seek to build on my existing skills and experiences to innovate with new and open technologies and develop durable software solutions that help me evolve as a throrough software professional. |

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| **Education** | | | |
| B.Tech. Computer Science | 2007-11 | **Uttar Pradesh Technical University, Lucknow** | **74%** |
| Class XII, ISC | 2007 | City Montessori School, Lucknow | **88%** |
| Class X, ICSE | 2005 | City Montessori School, Lucknow | **89%** |

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| **Work Experience** | |
| **Symantec Corporation, Pune April 2014-Present**  **Designation:** Software Quality Assurance Engineer  **Department : Security Technology and Response – Anti Spam Products**  **Product: URL Domain Name Service Real-Time Blacklisting** is set of systems and services that enable high frequency dns querying of URLs in real-time and returning verdicts to independent customers and internal applications thereby increasing anti-spam effectiveness.   * Developed Web access, and Data access layer interfacing with relational and non-relational databases. * Build and Packaging of the product to support multiple format/deployment scenarios. * Owner of Continuous Integration and Delivery using Jenkins * I achieved 100% test automation and high coverage within each sprints. * Implement and benchmarked Performance of DNS Query Interface on the cloud using Apache Jmeter and dnsperf.   **Product : Adaptive Response Architecture -** Cloud based solution to provide customized spam protection to customers, offered as a part of Symantec’s Gateway Protection Appliance.ARA is a set of daemon processes, web-services, mailing agents talking together to facilitate rule set creation and protection via the Anti Spam protection engine known as Brightmail.  My work included :   * Contributing to and maintaining our in-house testing framework for full-scale automation of the product. * Enriched the test framework to support parallel execution and various NoSQL data-stores. * Responsible for continuous code integration and code coverage for the product. * Responsible to stress and load testing using custom made test tool. * Implemented performance testing framework for product benchmarking using Apache Jmeter. * Responsible for end delivery, after certifying quality checks and guidelines. * Response for keeping the cloud infrastructure up and running by quickly responding to any issues.   **Product : Junkyard, Missed Spam Processing System -** False Negative submissions from users of Symantec’s Messaging Gateway appliance are processed on a Cloud to provide efficient and quick response against the missed spam to customers.   * Designing Test suite for the new component from scratch. * Wrote apis’ making using AWS, RDMS, Apache James to facilitate automation of test cases. * Carried out performance testing using Apache Jmeter and benchmarked the application. * Responsible for managing the end-to-end test case scenarios to validate all systems work as expected.   **Symantec Corporation, Pune December 2012 - March 2014**  **Designation:** Associate Software Quality Assurance Engineer  **Department : Security Technlogy and Response – Antip Spam Products**  **Product : Paranoid, Link Following System –** RESTful link following solution to fetch reputation for malwares from across Symantec’s Telemetry and Malware Detection engines.  Role and Responsibilities:   * Involved in writing test framework for automation from scratch. * Wrote test cases for data access layer and REST api. * Wrote Performance Test cases fpr Api using Jmeter. * Executed Performance tests while configuring other inter-related systems thereby providing optimal usage parameters for the application.   **Collabera Solutions Pvt Ltd. Bangalore August 2011 – December 2012**  **Designation:** Software Developer  **Department:** Communications  **Project: Microsoft Interoperability Projects –** Interoperability Projects comprisis of set of sub-projects for the Windows Azure Platform. The projects are aimed at achieve high flexibility and stable interoperability of Open Source products on Windows azure cloud.  Being a part of Azure Interoperability Testing team, I worked on:   * Sanity Analysis of TCL Tests of prominent nosql datastore, **Redis** on Windows Environment. * Migration of TCL tests to **node.js** (i.e) writing existing tests in Javascript. * Stress Testing of Redis on Windows by adding more unit tests.   **Project: Open TV Inc. Inventory Management System Support Interface -**  The IMS support interface is a middle layer of communication between OpenTV and its clients. Implements as Web Service using C-sharp and .Net 4.0. The communication was made use asynchronous call and handshake protocol, thus delivering business data as and when required.  My role in the project was to:   * Writing part of web service code in c-charp. * Scrutinizing the data communicating over the Web Service and verification of its sanctity. * Deep understanding of the business logic of project, thus providing comprehensive test suites as as to cover even the miniscule requirements. * Load Testing and stressing the service over numerous parallel requests. |  |

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| **Skills and Interests** |
| **Skill Set**   * **Programming / Scripting:** C, Java, Javascript, Python * **Frameworks / Tools:** Node.js, Redis, Cassandra, Django * **RDBMS:** IBM DB2, SQL Server, MySQL * **Modeling:** UML * **Designing:**  HTML, CSS, XML   **Fun Work**   * Established Git to collaborate with a team of 50 within the enterprise network and made seamless code migration from different company wide source code management systems. * [**www.sinharakesh.com**](http://www.sinharakesh.com) **-** My father’s website designed and developed my be and hosted on AWS. * Contributed to open source node.js redis-client. <https://github.com/mranney/node_redis> * Github activity: <https://github.com/niteshsinha>   **Projects**   * Online Customer Service Desk – was selected among the top 300 projects for **IBM’s The Great Mind Challenge ‘08.** Implemented using Java/J5ee, IBM DB2 9.5 Express C, and IBM WebSphere Server CE. * Inventory ManagementSystem **–** Comprehensive solution for managing inbound and outbound inventories of retail enterprise. Implemented using VB 6.0, and SQL Server 2005.   **Seminars**   * **Cognitive Systems**, by Prof Amitabha Mukerjee, Prof. CS & E at IITK - On inculcating natural language recognition and perception, fundamental reasoning capabilities in modern day machines.   **Talks**   * Introduction to Open Source Content Management Systems, their custom modification and scaling – at Northern India Engineering College, Lucknow * LAMP (Linux, Apache, MySQL, PHP), building your first web application with basics of them – at Northern India Engineering College, Lucknow.   **Memberships**   * President of Computer Society of India – Student Chapter at Northern India Engineering College, Lucknow. |