

# Nitesh Sinha

#337, 22<sup>nd</sup> Main, 2<sup>nd</sup> Cross, Sector - 2, BTM Layout, Bangalore – 560029 - INDIA

*niteshsinha.mail@gmail.com*

+91 7259235960

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## WORK

**August 2011 – present:** Working as a Software Developer with Collabera Solutions Pvt. Ltd.  
Projects Undertaken

- **Redis Test Suite Migration using Node.js** – Solely responsible for migrating the test suite of redis[1] from Tcl to - Node.js for redis port[2] for Windows released by Microsoft Open Technologies, Inc. My work included,
  - Writing all the tests cases in node.js
  - Sanity testing of Redis port for Windows using current Tcl tests.
  - Stressing Redis over pressured environment / infrastructure.
  - Improving test coverage in node.js by adding more tests.
- **Web Service Interface using WCF 4.0** – The web service interface acted as a channel between OpenTV, a digital television & advertising provider, and its clients. Implemented using WCF 4.0 in .net 4.0. the service aimed at delivering accurate business data, and sustaining load of simultaneous connections from various endpoints. My work in the project consisted of :
  - Writing part of web service code in c-sharp.
  - 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 so as to cover even the miniscule requirements.
  - Load Testing and stressing the service over numerous parallel requests.

## SKILLS

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|--------------------------|-----------------------------|
| • Programming/ Scripting | C, C#, Javascript, Tcl, PHP |
| • Frameworks / Tools     | Node.js , Redis.            |
| • RDBMS                  | IBM DB2, SQL Server, MySQL. |
| • Modeling               | UML                         |
| • Designing              | HTML, CSS, XML              |

I am comfortable with unix-like OS such as Linux as well as Windows.

[1] - <https://github.com/antirez/redis>

[2] - <https://github.com/MSEOpenTech/redis>

## EDUCATION

- **2007 – 2011** - B.Tech (Computer Science) from Gautam Budh Technical University, Lucknow. (UPTU ) with an aggregate of 73.32
- **2006 – 2007** - Intermediate – City Montessori School Lucknow, affiliated to Indian School Certificate (ISC) Board. Percentage scored: 88
- **2004 – 2005** - High School – City Montessori School affiliated to Indian Certificate of Secondary Education (ICSE) Board. Percentage scored: 89

## EXPERIENCES

- **Certifications**
  - IBM Certified DB2 Associate - Fundamentals Exam (730)
  - IBM Certified Associate Developer -- Rational Application Developer for WebSphere Software V6.0
- **Projects**
  - **Online Quizzing/Testing System** [1] – Simple online quiz portal, for conducting both monitored/ non-monitored examination, with the ability to send notifications and graphical score.
    - Written in PHP, JQuery and Mysql 5.0 serving as the database.
  - **Customer Service Desk** [2] – This one-place-for-all solution addressed the problem of handling customer complaints/tickets and providing speedy resolution of the tickets. This in-house college project 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, IBM WebSphere Server CE.
    - Reporting using open source Jasper Reports.
  - **Inventory Management System** [3] – Management of inbound and outbound inventories of retail enterprise.
    - Implemented using VB 6.0 , and SQL Server 2005.
- **Fun Work**
  - Developed a php based website[4] for my dad, and hosted the same in Amazon Web Service with Ubuntu 11.10 ami.
  - Migrated all my above projects to AWS, Ubuntu 11.10 ami, which involved setting MySQL, IBM DB2, Apache2, Tomcat on Amazon Cloud.
  - Also have GUI Interface to my AWS account using NX-Server-Client.
- **Membership**
  - President of Computer Society of India – Student Chapter at Northern India Engineering College, Lucknow.

[1] – <https://github.com/niteshsinha/OQM>

[2] – <https://github.com/niteshsinha/csd>

[3] – <https://github.com/niteshsinha/ims>

[4] – [www.sinharakesh.com](http://www.sinharakesh.com)