

# Saurabh Kishore

1200 Sunrise Rd, Apt 1424, Round Rock TX-78664 • [to.skishore@gmail.com](mailto:to.skishore@gmail.com) • (608) 628 8301

## OVERVIEW

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- Software Developer with experience of 4+ years.
- Currently working at Dell (July 2015 - present) as Software Development Senior Engineer.

## TECHNICAL SKILLS

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- **Web Technologies:** HTML, XML, DOM, CSS, JavaScript, PHP
- **Database Systems:** SQL, Cache
- **Languages:** C, C++, Java, C#
- **Operating Systems:** Windows, Linux, Android
- **Tools familiar with:** Android studio, ns-2, Weka, MS Visual Studio, eclipse, Oxygen, Matlab.

## CAREER PROGRESSION

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- **Senior Software Development Engineer, Dell** Round Rock, TX (July 2015 - present)

**Platform/Languages used:** Java, Android, JSON, XML

- ✓ Designed and implemented large number of features on “Open Manage” client for “Android” platform. Analytics, Demo Mode, Master details flow, Blink LED on server.

- **Software Development Engineer 2, Microsoft** Redmond, WA (Apr 2013 – July 2015)

**Platform/Languages used:** Java, Android, C++, C#, Web framework (HTML, CSS, JavaScript).

- ✓ Designed and implemented large number of features on “OneDrive” client for “Android” platform such as Pin code for OneDrive, Asynchronous move operations, Recycle bin operations, detecting and opening external links in OneDrive app and Group folder support. All these features have been shipped.
- ✓ Designed and implemented Mobile Device management (MDM) for “OneDrive” app on android. During this project there was cross team impact and I was able to help the partner team in improving their product. The partner team has “Intune Company portal” app in google play store. This implementation cleared roadblocks for multiple deals for Microsoft.
- ✓ Designed and implemented parts of Camera backup feature on “OneDrive” for android. This was one of the most extensively used feature of “OneDrive” app.
- ✓ Designed and created Fiddler automation framework so as to capture traces and perform automated analysis over network calls (for efficiency and correctness)
- ✓ Designed and created automated Build Verification Tests for Microsoft OneDrive desktop and Windows Phone OS for multiple features
- ✓ Was the Performance Champion for the Windows version of the OneDrive desktop application.

- **Software Developer, Epic Systems** Verona, WI (Oct 2011 – Mar 2013)

**Platform/Languages used:** Visual Basic, Cache, Web framework (HTML, CSS, JavaScript, C#).

- ✓ As a part of the team, developed Epic’s cardiovascular information system, this focused on data storage during invasive and non-invasive cardiology procedures (Procedure Log module).
- ✓ Worked on the client server framework with emphasis on user-centered design and performance.

- ✓ Currently working on a project which requires gathering procedure-specific data to send to various registries, e.g. CathPCI and ICD, which is then used for research purposes.
- ✓ Experience in NoSQL, DBMS, HTML, Web framework, VB.

- **Software Developer, Samsung India Software Operations** *Bengaluru, India (Jul 2008 – July 2009)*

**Platform/Languages used:** SHP (Samsung mobile platform), C/C++, and Webkit 3.2(Browser engine: same as Safari and chrome browser).

Some major features developed independently during the tenure were:

- ✓ *Iview:* Filters the images from a given web-page and displays them in an orderly fashion. The process involved in developing the functions to traverse the DOM tree using Web kit 3.2 exposed interfaces and extracts the relevant (filtered) images. This feature comes in all high end models of SAMSUNG.
- ✓ *Favicon support for bookmarks:* .icon image decoder was developed as there was no support in SHP (Samsung proprietary) platform. This favicon image was stored in .bmp format and mapped to a particular URL. The database was maintained in XML and SAX parser was used for all the data handling.
- ✓ *Save page feature development using DOM in Webkit 3.2 engine:* Implemented traversal of complete DOM tree in css and js formats. This feature is better than Mozilla and chrome on various webpages.
- ✓ During the initial tenure, the User Interface (UI) module and the interface module (between the Engine and UI) was developed, which included its enhancement and fixing bugs assigned.

- **Software Developer Intern, Adobe Systems**, *Noida (May 2010 – July 2010)*

**Platform/Languages:** Android, C++.

- ✓ Worked as a part of team to develop Anti-piracy measures which focused on development of a subscription system for purchase and recharge of software as an android application.
- ✓ The dynamic file change mechanism to prevent tampering of files and illegitimate crack-ins was developed.

- **M.Tech Project** *(Sep 2010 – Mar 2011)*

**Platform/Languages used:** Java, nltk-toolkit, C, C++

2 major problem were extensively addressed and solved during this 1 year project:

- ✓ *Efficient Approximate Matching :* Proposed and implemented an efficient algorithm for **Approximate Matching(AM)**, which performs an efficient query resolution on text data. The proposed AM approach represents the dictionary with a set of profile matrices obtained by clustering the terms. For query resolution, incoming query is first matched with profile matrix and then exhaustive lookup is performed with the records in the best matching cluster.
- ✓ *Gene Normalization:* Several bio-entity extraction methods have matured over last few years, the focus is on linking these entities to appropriate records from manually curated databases. This process is called as Gene Normalization (GN). GN process enables exploitation of high quality information available in database for effective knowledge discovery. We proposed an effective method for GN based on machine learning techniques. The proposed approach exploits several clues from local and document level context of gene mentions.

- ✓ **Publication** : This work is recently published with the title as “Efficient Approximate Dictionary Matching” in **COMAD 2012**.

## GRADUATE COURSEWORK

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Advanced computer networks, Advances in database technology, Advanced data structures and algorithms, Algorithms in computational biology, Data mining, Natural language processing, Network management